

SUN SYSTEM®

REMOTE BALLAST SETUP Technical Information Guide

IMPORTANT PRODUCT INFORMATION READ IMMEDIATELY

KEEP ORIGINAL PACKAGING – ALL RETURNS NEED TO BE IN THE ORIGINAL PACKAGING IN ORDER TO AVOID PRODUCT DAMAGE DURING SHIPPING. ANY DAMAGE TO PRODUCTS NOT IN THEIR ORIGINAL PACKAGING WILL NOT BE COVERED UNDER WARRANTY.

SAFETY FIRST!

FAILURE TO OBSERVE THE FOLLOWING SAFETY WARNINGS MAY RESULT IN SERIOUS INJURY. IN ADDITION, FAILURE TO OBSERVE THESE SAFETY WARNINGS WILL RESULT IN A WAIVER OF ALL LIABILITIES ON SUNLIGHT SUPPLY®, INC. AND WILL VOID ALL WARRANTIES.

WARNING:

- If the exterior of the lamp is damaged, replace lamp immediately.
- Disconnect power before re-lamping.
- When re-lamping, make sure lamp has time to cool before touching.
- Make sure power cord and lamp are connected properly.
- DO NOT hang by power cord or lamp cord.
- DO NOT make contact with the interior of the socket while the power is on.
- DO NOT operate the light systems in wet locations.
- DO NOT plug this system into a supply voltage other than what is instructed on the ballast.
- DO NOT run single-ended or MH lamps on the Hard Core DE Ballast (902652).
- DO NOT attempt to open, rewire or reconfigure any components of the light system. It will void the warranty and could cause serious injury or death.
- These products operate at very high temperatures. Keep away from children.
- DO NOT plug or unplug a lamp cord while the ballast is turned on.
- Glass bottom lens required in all reflectors when using metal halide (MH) lamps for ETL listing to apply (fixture must be fully enclosed). Not required with high pressure sodium (HPS) lamps.
- Read all warnings and instructions that come with your lamp.

REMOTE BALLAST SETUP: (HARD CORE®, HARD CORE® DE & HARVEST PRO®)

1. Remove the system from the box, along with all additional parts.
2. The Smart Volt® systems come standard with the 120 volt Smart Volt power cord. All of the systems above have the Power Pointer® voltage selector. Make sure it is on the 120 volt option to plug in the provided cord. To change the voltage, simply pull out and twist 180° (**fig. 1**). To use the 240 volt you must purchase the 240 volt Smart Volt power cord (#903082 or #903084) separately.
3. **Switchable Units:** When using a (Metal Halide/High Pressure Sodium) switchable unit, switch the system the system to the MH side to run a Metal Halide lamp or HPS to run a High Pressure Sodium lamp. For all switchable Sun System® units, a metal toggle switch is used (**fig. 3a**). When using a Metal Halide put the switch in the position specified MH and when using a High Pressure Sodium the switch should be in the position that specifies HPS. **Please Note:** Hard Core DE 902652 is for use with 1000 watt double-ended HPS lamps only. Do NOT run single-ended or MH lamps on the Hard Core DE Ballast.
4. Now connect the lamp cord from the hanging reflector to the remote ballast (**fig. 2**).
5. Carefully screw the proper lamp into the socket. Refer to lamping instructions on the ballast. For DE lamps refer to lamping instructions from the fixture.
6. For switchable ballast make sure to select the proper setting on the ballast to match the lamp that is being used. Make sure that the switch is properly set for either MH or HPS type lamp (**fig. 3b**).
7. Lastly, turn the system on by plugging the power cord into the proper NEMA configured receptacle.
8. You should use a properly rated Smart Volt cord (120 or 240 volt) for the power that you are using. If you energize this ballast with 240 volt power while the female end of the power cord is plugged into the 120 volt receptacle on the ballast you will "fry" the ballast and void the warranty. If you want to run this ballast at 240 volt power, you should purchase a 240 volt Smart Volt cord separately.



fig. 1

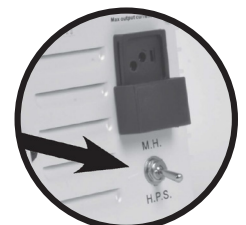


fig. 3a



fig. 2



fig. 3b

TROUBLESHOOTING... IF YOUR FIXTURE DOES NOT WORK:

1. CHECK YOUR ELECTRICAL SOURCE: Make sure the unit is plugged in properly and that the breaker is not tripped or fuse blown.
2. CHECK THE LAMP: Make sure the lamp is fully seated (screwed) in the socket.

FAQ's

Symptom: My ballast is humming but the light isn't coming on.

Solution: There may be a couple of reasons for this: 1) the lamp is not screwed in tight enough, or 2) the lamp is defective. Please allow 5 - 10 minutes for lamps to initially ignite. If this does not solve the problem, return the unit to the dealer for testing.

Symptom: My ballast makes an excessive amount of noise.

Solution: Keep in mind that the higher the wattage, the louder the humming noise emitted. However, if the noise level is extreme, the transformer may have come loose. In this case, the ballast unit should be returned to Sunlight Supply®, Inc. for repair if it is still under warranty and has been used under normal operating conditions.

Symptom: Every time I turn on the light fixture, the circuit breaker trips.

Solution: You may have too many appliances on this circuit. A normal home's circuit has only 15 amps available. These H.I.D. lights use up to 10 amps per unit. Please make sure you are not overloading the circuit with too many appliances and/ or lights. Note: The sticker on the ballast will state the number of amps required by that particular unit. If you do require more lights/appliances to all be run off the same circuit, you should consult an licensed Electrician.

Symptom: I turned off my HID light and now it won't come back on.

Solution: Your lamp may take up to 20 minutes to cool down before it can be fired up again. Fluorescent lamps should be almost immediate.

IF NONE OF THE ABOVE PROCEDURES HELP, PLEASE CONTACT THE RETAIL STORE WHERE YOU PURCHASED THE UNIT.

POWER USAGE:

On average, a light system will increase your electricity cost from \$8 to \$20 per month-the exact amount depends on the size of the system and the number of hours operated. However, since these grow lights are so energy efficient, you are getting huge amounts of light (and growing power) for your money! Make sure your grow room's power circuit can handle the power draw. For safety reasons, do not exceed 75% of the rated ability of the fuse/breaker (for example: use no more than 15 amps on a 20 amp circuit). To calculate your cost, multiply the bulb wattage X hours of operation and divide by 1000. This figure is the number of kilowatt hours of electricity consumed. (Example: a 400 watt bulb running for 18 hours will use 7.2 kilowatt hours). Check your power bill for the cost of each kilowatt hour. Then multiply the number of kilowatt hours by the cost of a kilowatt hour (K/hr) to arrive at the cost per month to run the light in your area.

WARRANTY SERVICE: Please read warranty information first

If after troubleshooting problems the light will still not work, you should return the light to the dealer where you purchased it. They will be able to further evaluate the light and test its various components and quite possibly will be able to identify and/or fix any problems. Often the problem is as simple as a defective lamp. If the dealer is unable to fix the light, they will return it to us for factory repair. Many dealers have loaner fixtures that you may check out until yours is returned (usually not more than 7-10 days).

To locate the dealer nearest you, visit our website at www.sunlightsupply.com and complete the "Dealer Search". If there are no dealers in your area, you may contact us directly for technical support. If we cannot help you resolve the problem over the phone, we will issue you a RMA # (return merchandise authorization) authorizing you to return the system to us for factory reconditioning (if the unit is under warranty). You will need to provide an email address or fax number so that the Authorization Form may be sent to you. You will need to include this Authorization Form in the packaging when returning your Sun System® unit. Also please write the # on the outside of the box.

Please package the light carefully in its original packaging. If it is damaged in shipment we will not be responsible.

Once we receive the light back, we will repair it within 48 hours (business) and return it to you via UPS Ground. If the unit cannot be repaired, a replacement will be sent. If there are no replacements available, a comparable unit will be sent back.

IMPORTANT:

PROOF OF PURCHASE REQUIRED FOR RETURNS

Harvest Pro® = 5 Year. Hard Core®, Hard Core® DE and Harvest Pro® 480V = 2 Year Warranty
Returning Units: Please contact your retail store for returns.

WARRANTY INFORMATION:

Sunlight Supply®, Inc. warrants to the original purchaser of this product against defects in material and workmanship under normal use for 5 years on Harvest Pro®, and 2 years on Hard Core®, Hard Core® DE and Harvest Pro® 480V. During the warranty period, Sunlight Supply®, Inc. will, at our option, and without charge, repair or replace this product if the unit or any of its components fail or malfunction.

This warranty is expressly in lieu of all other warranties, expressed or implied, including the warranties of merchantability and fitness for use and of all other obligations or liabilities on the part of the seller. This warranty shall not apply to this product or any part thereof which has been damaged by accident, abuse, misuse, modification, negligence, alteration or misapplication. Sunlight Supply®, Inc. makes no warranty whatsoever in respect to accessories or parts not supplied by Sunlight Supply®, Inc. This warranty shall apply only to the United States, including Alaska, Hawaii and territories of the United States.

NOTE: Sunlight Supply®, Inc. is a manufacturer of supplementary lighting systems. All sales offerings to the public are done through a nationwide group of dealers. No sales offerings will be made directly to the general public.



Sunlight Supply, Inc.
SunlightSupply.com

