REPLACING THE BATTERY

The supplied 18650 3.7V rechargeable Lithium Ion battery is designed to work for at least a year before it needs replacing. If you are experiencing issues within the first year of owning your lights it is unlikely that replacing the battery will resolve the problem (please see troubleshooting). When it is time to replace your battery remove the screw cap from the underside of the solar panel, locate the battery compartment and remove the battery. Please dispose of the dead battery responsibly and in accordance with your local waste disposal guidelines.

TROUBLE SHOOTING

MY LIGHTS ARE ON BUT IT ISN'T DARK

Your Advance USB Solar Lights have a twilight sensor in the solar panel that tells them when it is dark enough to turn on. If your lights are coming on during the day by themselves this may suggest that the panel thinks it is dark when it isn't. This can happen in unusually dark weather conditions, but usually it is a sign that the solar panel is positioned in a heavily shaded location. Please rethink your solar panel location or remove objects obstructing light from reaching the solar panel.

MY LIGHTS WORKED FOR THE FIRST FEW NIGHTS AND THEN STOPPED WORKING

Usually Advance USB Solar Lights come partially charged so they will work for a few nights without receiving a fresh charge from the sun or by USB. If the lights stop working after a few nights then it is likely that they have not received a fresh charge during the first few days. Firstly you will need to improve your solar panel location (see page 2). Once you have done that USB charge your lights (see page 1) and try them again. If you don't have access to a USB charging device, switch the lights off and leave them off for a minimum of 3 days to allow the battery to fully charge.

I CAN NOT GET MY LIGHTS TO TURN ON AND THEY NEVER HAVE

1. Please start by checking that your lights are switched on.

2. Remember that Advance USB Solar Lights will only come on after dark or in a dark room inside.

3. If it is dark and they are not coming on there might be a nearby light interfering with the twilight sensor. This could be nearby streetlights or lights coming from inside or outside your property or a neighbouring property. To check this simply cover the solar panel completely with a thick cloth or a coat. If the lights then turn on remove the cloth and adjust the angle of the solar panel until it is no longer affected by the light that was causing the interference.

4. Usually our Advance USB Solar Lights come partially charged, but this isn't always the case. Please USB charge your lights (see page 1) and try them again. If you don't have access to a USB charging device, switch the lights off and leave them off for a minimum of 3 days to allow the battery to fully charge.

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ADVANCE
USB SOLAR LIGHTS

USER GUIDE

Thank you for choosing our Advance USB Solar Lights. Please read these instructions carefully before you begin

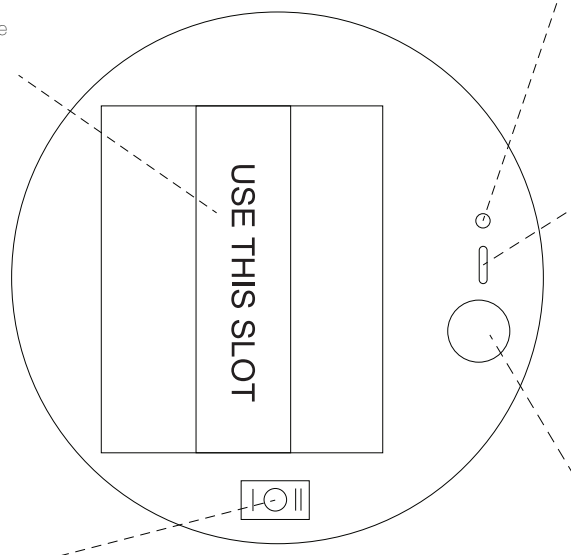
HOW ADVANCE WORK

During the day the sun's rays are absorbed by the solar panel which sends that energy to the battery inside the solar panel where the energy is stored. After dark the battery powers the lights. Advance have been designed to work year–round using solar power alone, but you can also fully charge the battery or batteries quickly at any time by using a USB charging device such as your computer or a USB wall plug adapter (see 'USB charging' below).

BEFORE YOU BEGIN

Although not essential, we thoroughly recommend fully charging your solar panel via USB before enjoying your lights for the first time. If you do not have access to a USB charging device such as a computer or a USB wall plug adapter, we advise installing your lights and leaving them to charge outside for 3 days prior to first use. During this initial charge up period, please ensure that your Advance lights are switched off (see diagram below).

CONTROL LAYOUT



BATTERY BAYS
Please ensure the middle bay has a battery installed when the system is in use.

USB CHARGE INDICATOR LIGHT
This light will glow red during USB charge and turn green once charging is complete.

USB CHARGING PORT
Use the supplied USB lead to speed charge your Advance lights by plugging it into a USB port on your computer, or by using a USB wall plug adaptor.

Do not leave your solar panel unattended for long periods when it is charging by USB.

MODE BUTTON
Pressing this button will change the colour of your lights between white and warm white or between flashing and steady on (depending on which lights you have).

POWER SWITCH
Pressing the switch towards II will power the lights at full brightness. Pressing the switch towards I will power the lights at half brightness which doubles runtime. Centring the switch on O will turn the lights off completely, but they will still charge.

USB CHARGING
See diagram on previous page. To USB charge the battery simply unscrew the cap on the underside of the solar panel, insert the smaller end of the supplied USB cable into the USB charging port and the large end into a USB wall plug adapter or a USB port on your computer. Please note that your computer needs be powered on during USB charging. Initially, the USB charge indicator light will glow red, but it will change to green once the battery is fully charged. Charging times vary, but typically takes around 4 hours with a single battery installed. **N.B Please do NOT leave your Advance Solar Panel to charge unattended for longer than a few hours and disconnect the control tube from your USB charging device soon after the light turns green.**

ADDITIONAL BATTERIES
Your Advance Solar Panel comes with a single Lithium Ion 18650 battery installed in the middle battery bay with an empty battery bay on either side. These two spare bays give you the option to add one or two additional batteries which will double or triple the total charge capacity of the unit. Please ensure that any additional batteries used are 2200mAh so that they match the battery supplied. You can upgrade to a higher mAh battery so long as all the batteries in use have the same mAh rating. We recommend fully charging the unit by USB if new batteries are added. **Please note that the middle battery bay is the master battery bay and there must be a battery in the middle bay when the system is in use.**

SETTING UP YOUR LIGHTS

POSITIONING YOUR SOLAR PANEL
Before positioning your Advance solar panel please think very carefully about the location you intend to put it in. Advance USB Solar LIghts can be charged quickly via USB so they can work in locations that get little or no sunlight, but a good solar panel location will mean you will hardly ever need to rely on USB charging. Panels that are mounted higher up in a south, south–east or south–west facing locations always perform best. Always try to avoid north facing or shaded areas that are obstructed by buildings, trees, fences, sheds, bushes or the shadows that these create.

STAKE MOUNTING YOUR SOLAR PANEL
Before attempting to push the stake into the ground, please ensure that the solar panel is not attached and that the ground is not too hard. Any damage caused to your solar panel as a result of attempting to drive it into hard ground is not covered by your warranty. If the ground is too hard, pour water on the desired area to soften the ground and make a hole using a strong metal object before driving your stake into that hole.

WALL, FENCE OR DECK MOUNTING YOUR SOLAR PANEL
Attach the wall mount to your wall, fence or decking using the supplied screws and screw–plugs. Once your wall mount is in place, locate your solar panel and attach it to the mount.

VERTICAL TILT
Your Advance solar panel can be tilted vertically to achieve the perfect angle to catch most of the sun. To make vertical adjustments loosen the thumb screw that attaches the solar panel to the solar panel mount and adjust the tilt angle. Once you are happy tighten up the thumb screw.

PLACING YOUR DECK LIGHTS
Before you begin placing your lights, please make sure that the connector on the lights will be within reach of the solar panel once you have placed your lights in your intended location. Use a 30mm Flat Wood Drill Bit to make a perfect circular hole in your decking. Feed the cable through the hole first and then push the light into place. Once all deck lights are in place you will need to connect the deck light cables together.

PLACING YOUR STRING LIGHTS
Before you begin placing your lights, please make sure that the connector on the lights will be within reach of the solar panel once you have placed your lights in your intended location. N.B. Putting too much stress on your LED light string can significantly reduce Advance's life expectancy. Always ensure that there is some slack on the light string. If you plan to wind your LED light string around trees, do not wind the string too tightly as the diameter of the tree trunk will increase as it grows which will stress the string over time and damage the tree. **Failure to follow this guidance may invalidate your warranty.**

CONNECTING YOUR LED LIGHT STRING TO THE SOLAR PANEL
Once you have finished placing your lights it is time to connect the light string to the solar panel. Please ensure that all connectors are fully tightened to avoid water ingress.

OPERATING INSTRUCTIONS
Advance USB Solar Lights are fully automatic so once turned on they will come on automatically at night and turn off automatically after 8 hours (unless you turn them off at the switch). To turn your solar lights on simply unscrew the screw cap on the underside of the solar panel and press the rocker switch towards II for full power or I for Powersaving mode.

POWERSAVING MODE
Powersaving mode is for those that don't have a great solar panel location available and aren't able to USB charge. Advance's sophisticated Powersaving mode reduces brightness slightly which doubles the runtime of the lights each night. To select Powersaving mode press the power switch towards I. In Standard mode (switch pressed towards II) the lights will operate at full brightness.

LIGHTING MODES:
Some Advance USB Solar Lights offer DualWhite which means you can set your lights to light up in either White or Warm White. Other Advance USB Solar Lights will have other function options such as flashing or steady on lights. Pressing the Mode switch (see diagram above) will change the function of your lights.

WATER INGRESS:
The Advance screw cap offers an exceptionally high level of protection against water ingress, but this protection is not unlimited. Always ensure that the screw cap and any cable connectors have been fully tightened to avoid water ingress. Please ensure that your Advance Solar Panel is correctly installed using either mount and not left lying on the ground or anywhere else where water can accumulate. **Failure to follow this guidance will invalidate your warranty.**