

Additional Help

1

For additional installation instructions and videos, please visit our website at www.current-usa.com

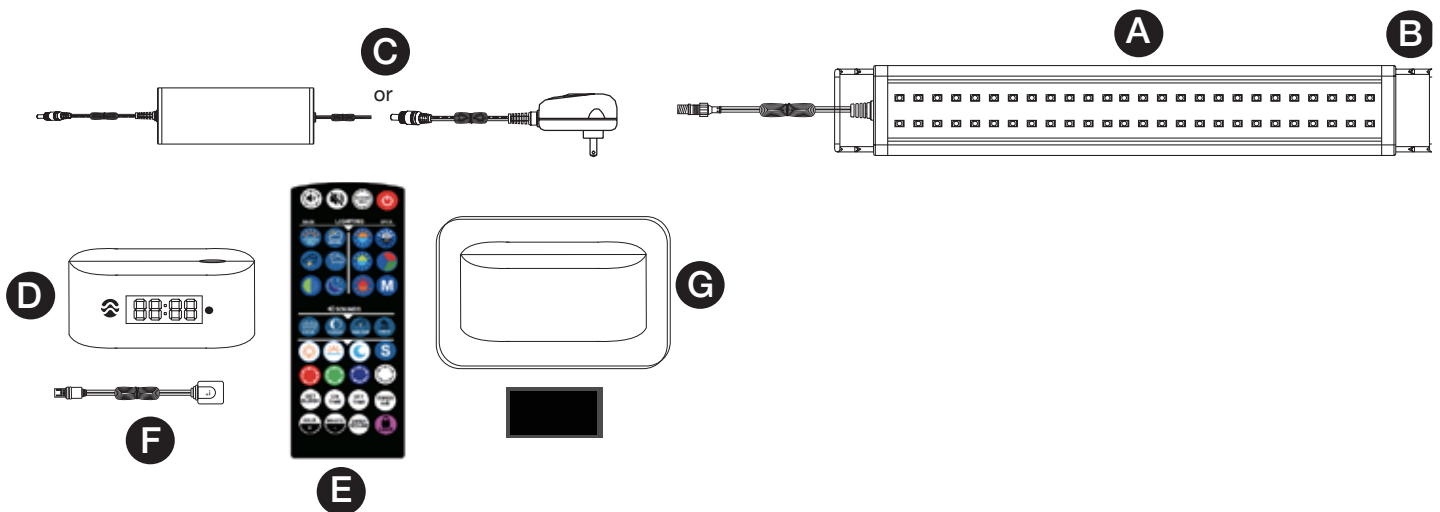
What's Included

Each Satellite LED Plus IC with timer lighting system includes:

Item	Description	Quantity
A	LED Light Fixture	1
B	Adjustable Docking Mounts (pre-installed)	2
C	12V DC Power Supply, UL® Listed	1
D	Wireless LED Controller	1
E	Remote Control	1
F	IR Infrared Sensor (use optionally)	1
G	Controller Protective Cover w/Tape	1

IMPORTANT: READ ALL SAFETY INSTRUCTIONS ON LAST PAGE BEFORE INSTALLATION

SAVE THESE INSTRUCTIONS



NOTE: If your LED light is missing any of the above components, please contact us directly by visiting www.current-usa.com/support.

Do not return to your retailer.

Optional Accessories

The following optional accessories are compatible with the Satellite LED Plus IC LED light. For more information, visit www.current-usa.com.

Background Light Kits

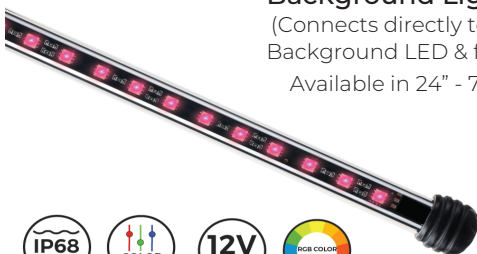
(Connects directly to your timer
Background LED & film included)
Available in 24" - 72" lengths

DUAL LIGHT ARM KITS

A sleek and modern way to
to mount your LED lights.

SPEAKERS

Immerse yourself in
soothing audio.



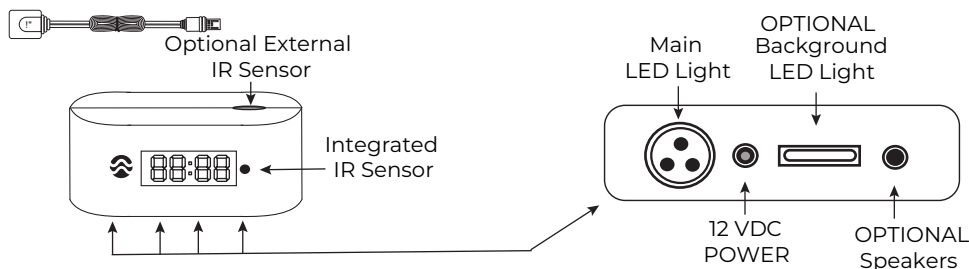
STEP 1 - LED Light Installation

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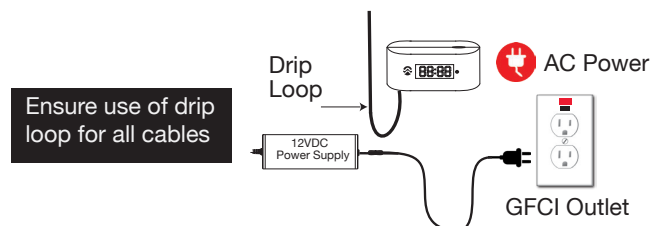
1. Unpack light fixture and components. Remove any plastic film on light fixture.
2. Slide the adjustable docking legs on the side of the light fixture to match the length of aquarium. Attach rimless tank bracket (optional) to glass aquarium edges.
3. Set fixture on aquarium and ensure docking legs fit snug on edges of aquarium -or- slide end of wire mounts into rimless tank brackets until they snap into place.

STEP 2 - LED Controller Installation

1. Choose a location underneath your aquarium cabinet free of excessive moisture and allows for direct line of site for IR sensor* to receive signals from remote control.
(NOTE: An additional External IR sensor with 12" cable is included for under cabinet installation.)



2. **IMPORTANT:** Plug-in all lighting, power and speaker cables as shown above before mounting controller.
3. Place LED controller in clear protective case and mount to stand using 3M adhesive tape. (If using optional external IR sensor, connect to control and ensure end of sensor has a clear line of site for remote control.
4. **OPTIONAL** - Position audio speakers on each side of stand or attach to sides of stand using the included Velcro tape.



5. Plug-in 12VDC power supply into a GFCI approved outlet. Ensure a drip loop is in place for all cables.
6. Remove plastic cover from remote control and remove plastic battery tab at bottom of remote. Press the Main power key to ensure controller turns on. Follow programming instructions on Page 6 to begin your Satellite LED Plus IC experience!



RGBW - Press keys adjust color spectrums.



Main Power & Default - Turns controller and components OFF/ON. Press & hold for 5 seconds to reset controller to factory defaults




**RESUME TIMER - Press to turn system/lights back to Timer mode.
(Works in Timer B Mode Only)**



LOCK/UNLOCK - Locks settings so other IR signals will not interfere. Press and hold for 5 seconds to LOCK/UNLOCK.



Volume - Changes audio volume. Level 0=OFF, press to adjust 1-5 levels (20% each)  Press to MUTE.



TIMER A/B - Switches light from Timer A Mode (Daily On/Off Only) to Timer B Mode (Circadian 24 hr. Timer with slow ramp/dim)



Custom Scene - Press to display custom scene of Main LED Light, Background LED light and audio sound.



Set Clock/Time of Day - Press once to Set Clock and program current time of day.



ON Time - Press once to program ON Time.



HOUR + - Press to adjust hours.



OFF Time - Press once to program OFF Time.



MINUTE- Press to adjust minutes.



ENTER - Press enter after any time is programmed or color spectrum (Daylight, Sunrise, Moonlight, Custom Scene)



DAYLIGHT - Press once to adjust daylight color spectrum, adjust with RGBW keys. When complete, press ENTER.



SUNRISE - Press once to adjust sunrise color spectrum, adjust with RGBW keys. When complete, press ENTER.



MOONLIGHT - Press once to adjust moon color spectrum, adjust with RGBW keys. When complete, press ENTER.



Audio - Press to select audio on-demand.



Dynamic Effects - Press to select on-demand dynamic lighting program.



B/G Light ON/OFF - Press to once to toggle background lighting
50% Brightness / 100% Brightness / OFF



 RGB Fade/Color - Press to select RGB fade, Press again to stop at a static color and save using M key.



B/G Light - Press to select background lighting fade program.

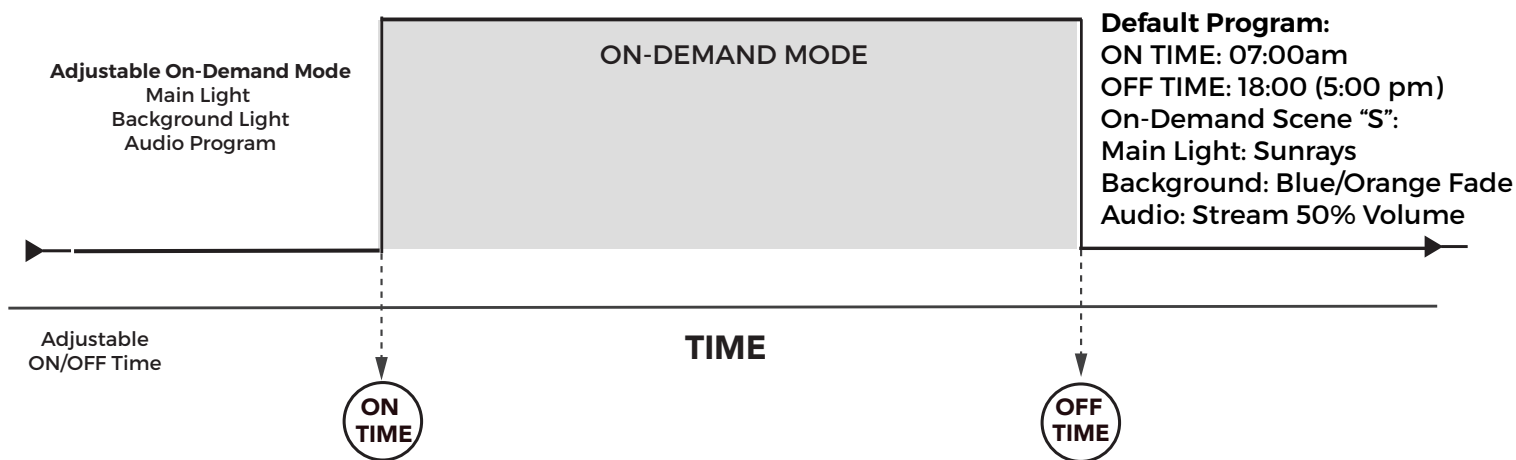
STEP 4 - Timer Overview

4

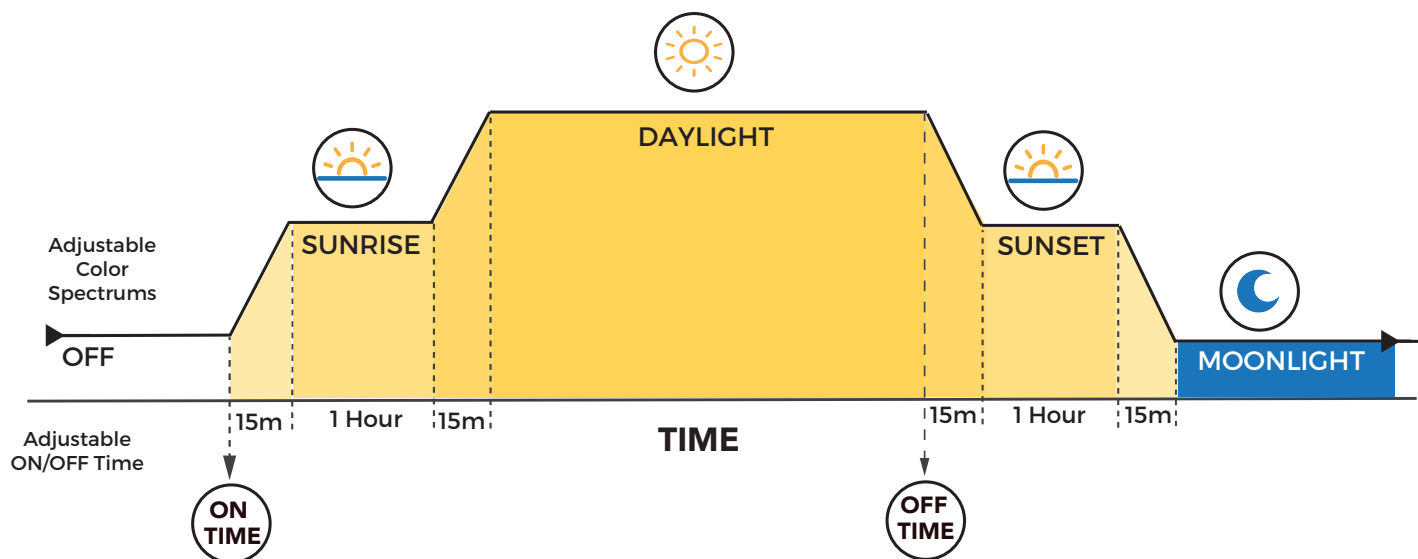
The LED light controller features two timer functions:

1. Timer A - Dynamic On/Off timer for playing a custom scene (main light, background light and audio) with a simple daily ON/OFF time.
2. Timer B - Circadian 24-Hour mode for running a gradual Sunrise, Daylight, Sunset, and Moonlight programmed around a daily ON/OFF time.

TIMER MODE A - Simple Dynamic ON/OFF



TIMER MODE B - 24 Hour Circadian Timer



Default Program:

ON TIME: 07:00

OFF TIME: 18:00

Daylight Spectrum: W-100%, R-100%, G-100%, B-100%

Sunrise/Sunset Color Spectrum: W-50%, R-75%, G-5%, B-75%

Moonlight Color Spectrum: W-0%, R-50%, G-0%, B-10%

"M": 100% Red (same as A mode)

DYNAMIC LIGHTING & AUDIO EFFECTS

The LED Kit is designed to be simple and is plug-in-play ready to change your aquarium experience. To begin and explore, we suggest installing all the lighting and audio components, turning the controller on and try all of the incredible dynamic lighting and audio effects on-demand by simply pressing any of the dynamic keys.

Running your LED in a timer mode is not required. You can enjoy the experience on-demand and simply press the POWER ON/OFF key when you desire.

What's to experience? Here is a brief overview of the sleek effects built-in and ready to play on-demand:



Controls Main Light (above aquarium)

-  **SUNRISE** mimics a fading sunrise/sunset
-  **STORM** simulates clouds, rain & random lightning strikes
-  **GLOW FADE** makes fluorescent fish and aquarium decor pop in amazing colors
-  **ROLLING CLOUDS** gently rolls cloud cover horizontally across your aquarium
-  **RAIN** mimics a gradual rain storm and cloud cover
-  **STARRY NIGHT** casts a beautiful blue moonlight with star light over your scape

Controls Background Light

-  **Blue to Orange Fade**
-  **Blue to Green Fade**
-  **Red to Orange Fade**
-  **Gently fades entire color spectrum**

Plays audio sound effects


-  **STREAM** Gentle waves and streaming water w/ binaural focus
-  **STARGAZE** Binaural audio stimulating relaxation, meditation, sleep
-  **RAINSTORM** Relaxing sounds of an approaching rain storm
-  **FOREST** Night time sounds of a flowing stream in a forest

Main Programming Functions:

Turning Serene ON/OFF



 Press the MAIN ON/OFF power key to turn the Serene LED lights, background light and controller ON or OFF.

LOCK & UNLOCK Settings














 The integrated LOCK/UNLOCK feature is designed to ensure other IR signals (e.g. TV remote) do not interfere with your current LED system. To LOCK all settings, simply press the LOCK icon, “----” will display.

MAIN PROGRAMMING FUNCTIONS


Audio Volume Control - (for use when speakers are plugged into controller)

-  You can adjust the audio level on your Serene LED system by simply pressing the volume key. There are 6 total levels available, each will show on the display when pressed. Display will read U0=OFF, U1=20%,...U5=100%. (Volume can also be adjusted on the speakers (back dial) or muted by pressing the MUTE key.
- 
































PROGRAMMING TIMER A MODE:

1. Ensure controller is in TIMER A mode by pressing the TIMER A/B key . Controller will display A or B indicating current mode.
2. Set current time of day by pressing SET CLOCK , use the HOUR+  and MINUTE-  to adjust time to the current time in 24:00 hour mode (e.g. 5:00 PM = 17:00) Press the ENTER/RESUME key  to complete.
3. Set time system should turn ON by pressing ON TIME key , use the HOUR+ and MINUTE- key to adjust ON time (default is 07:00.) Press the ENTER/RESUME key to complete.
4. Set time system should turn OFF by pressing OFF TIME key , use the HOUR+ and MINUTE- key to adjust ON time (default is 07:00.) Press the ENTER/RESUME key to complete.
5. To program the dynamic lighting modes (Custom Scene) to display at ON TIME:
 STEP 1 - Press the "S" key,  display reads S-CS (Saved Custom Scene).
 STEP 2 - Select a MAIN lighting mode (, display reads P1-P6.
 STEP 3 - Select a BACKGROUND lighting mode (, display reads b1-b4.
 STEP 4 - Select desired Audio Sound (, display reads S1, S2, S3 or S4.
 STEP 5 - Select audio volume by pressing , display reads U0, U1, U2, U3, U4, U5.
 STEP 6 - Press and hold "S" key,  display reads E-CS (Entered Custom Scene.)

At each daily ON time, the custom scene will play until programmed OFF time is reached.









NOTE: If you wish to view any on-demand dynamic mode, simply press the desired effects and when completely, press RESUME TIMER key at top . Otherwise, the dynamic effects will continue until the next ON or OFF time is reached.

PROGRAMMING TIMER B MODE:

1. Ensure controller is in TIMER B mode by pressing the TIMER A/B key . Controller will display t-A (Timer A) or t-b (Timer B) indicating current mode.
2. Set current time of day by pressing SET CLOCK , use the HOUR+  and MINUTE-  to adjust time to current time in 24:00 hour mode (e.g. 5:00 PM = 17:00) Press the ENTER/RESUME key  to complete.
3. Set time system should turn ON by pressing ON TIME key , use the HOUR+  and MINUTE-  key to adjust ON time (default is 07:00.) Press the ENTER/RESUME key  to complete.
4. Set time system should turn OFF by pressing OFF TIME key , use the HOUR+  and MINUTE-  key to adjust ON time (default is 17:00.) Press the ENTER/RESUME key  to complete.
5. To program color spectrums for DAYLIGHT, press  and "L1" will display on controller. Use the RGBW keys     to adjust the color spectrum. When desired color spectrum is acheived, press the ENTER/RESUME key .
6. To program color spectrums for SUNRISE/SUNSET, press  and "L2" will display on controller. Use the RGBW keys     to adjust the color spectrum. When desired colorspectrum is acheived, press the ENTER/RESUME key .
7. To program color spectrums for MOONLIGHT, press  and "L3" will display on controller. Use the RGBW keys     to adjust the color spectrum. When desired color spectrum is acheived, press the ENTER/RESUME key .

NOTE: In TIMER B Mode, the "S" key can only be used on-demand and cannot be programmed into the daily lighting schedule.

PROGRAMMING BACKGROUND LIGHT - (for use when optional background light is connected to controller.)

1. To program a custom background color, press the RGB Fade key . When desired color spectrum is reached, press the RGB Fade key again, then press and hold "M" key  "bCL" will display on screen and custom color is now saved.
2. To turn Background Light ON/OFF or adjust brightness, simply toggle the background ON/OFF key . There are 3 settings - OFF (display reads bOFF), 50% brightness (display reads b50), and 100% brightness (display reads b100).
3. To display any of the background fades on-demand, simply press the fade colors desired, display will read b1 , b2 , b3  or b4 . Press RESUME TIMER key  to exit and resume 24-hour mode.

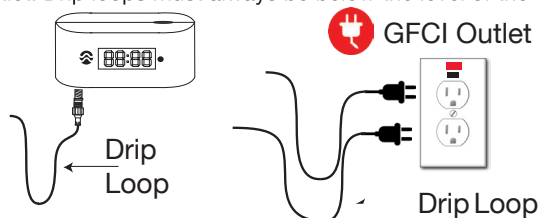
IMPORTANT WARNINGS | SAVE THESE INSTRUCTIONS

This is NOT a page of legalese. It contains important safety information that you should read and save for future reference. Remember you can always quickly access instructions for all our products at www.current-usa.com.

- Never attempt repairs yourself; return the appliance to an authorized service facility for service or discard the appliance.
- Carefully examine the fixture after installation and BEFORE you plug it into the GFCI wall outlet. Be sure there is no water on any part of the light fixture or the timer.
- Never plug in a wet cord. If a plugged in unit or socket does get wet, DON'T touch it. Instead, promptly disconnect the fuse or circuit breaker that supplies power to the fixture. Then, you may unplug the fixture and examine for the presence of water.
- Never operate a fixture that is damaged or malfunctioning, discontinue use immediately and return the appliance to an authorized service facility.
- Close supervision is necessary when any appliance is used by or near children.
- Always unplug the fixture when not in use, before putting on or taking off parts, and before cleaning. Never pull the cord to unplug from the GFCI.
- Do not use the fixture for anything other than intended use. The use of attachments not recommended or sold by the fixture manufacturer may cause an unsafe condition and will void your warranty.
- Do not install or store the fixture where it will be exposed to the weather or to temperatures below 0° Celsius or 32° Fahrenheit.
- Do not operate at temperatures above 50° Celsius or 122° Fahrenheit.
- Ensure the fixture is securely installed before supplying power to the unit.
- Read and observe all the important notices and warnings on the fixture and power cord. DO NOT REMOVE THE WARNING LABEL.
- If an extension cord is necessary, a cord with a rating at least 15 amperes should be used. A cord rated for less amperes or watts than the fixture rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
- Do not look directly into the LEDs.
- Always unplug with dry hands for maintenance or servicing.
- Turn all controllers OFF and disconnect power supply before performing any service or maintenance.
- This product MUST be powered by a UL or ETL listed power supply.
- To avoid possible electric shock, power supply MUST be plugged into a GFCI wall outlet installed by a certified electrician in accordance with all local codes. All products must have a drip loop.

Important Warnings | Drip Loops

Drip Loops should always be used to help prevent water from coming in contact with electrical connections and power outlet. Drip loops must always be below the level of the outlet.



Current-USA One Year Limited Warranty

This product **MUST** be purchased from an authorized Current-USA reseller. Visit our website for a list of unauthorized resellers. Current USA, Inc. warrants this product against defects in materials and workmanship for **ONE (1) YEAR** from the date of original retail purchase and is none transferable.

Warranty on all Products, including Aquariums, is limited to replacement of the product and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage arising from the use of this product.

Note: Current-USA, Inc. One-Year Limited Warranty does not cover damage caused by the following: improper installation, saltwater corrosion, electrical surges, or modifications.

If you discover a defect, please see your retail store or point of purchase. Current USA, Inc. will, at it's option, repair or replace the product at no charge to you, provided you return it during the warranty period. A copy of the bill of sale is required as proof of original purchase date in the event the product needs repairs within the warranty period. Please see your dealer for return options and warranty replacement parts. This warranty applies only to products by or for Current USA, Inc. that can be identified by trade name, or logo affixed to them. Current-USA, Inc. does not warrant any products that are not Current-USA, Inc..

This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication or if the product has been modified without the written permission of Current-USA, Inc.; or if any Current-USA, Inc. logos have been removed or defaced.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, WHETHER ORAL OR WRITTEN, EXPRESSED OR IMPLIED CURRENT USA, INC. SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPLACEMENT OF EQUIPMENT AND PROPERTY, AND ANY COSTS OF RECOVERING ANIMALS, PLANTS, TANKS OR OTHER AQUARIUM RELATED ITEMS AND/OR EQUIPMENT. CURRENT USA, INC. IS NOT RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR REPLACEMENT OF EQUIPMENT OR PROPERTY, OR ANY COSTS OF RECOVERING OR REPRODUCING ANY EQUIPMENT, ANIMALS OR PLANTS USED OR GROWN WITH CURRENT USA, INC. PRODUCTS. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or exclusions of implied warranties, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from jurisdiction to jurisdiction.