



E-mail: distributor@hyggeraquarium.com

Website: www.hyggeraquarium.com



HG178 USER MANUAL

hygger Sun Moon LED Aquarium Light



hygger Sun Moon LED Aquarium Light is a great way to illuminate your aquariums. With years of expertise, we are one of the pioneers in the field of full spectrum lighting. Easy to use and convenient to program, this lighting is perfect for beginners who want to light their first aquarium and also for professionals who want to upgrade their lighting!

Please read this manual carefully before using and in strict accordance with the manual use.

1. PRODUCT FEATURES

Ultra-bright LEDs: The high-quality, powerful 5054+2835 LEDs provide stable and consistent illumination for better observation.

Day&night timer with easy setting controller: Simple operated controller for setting the timer of Day/Night as per customized needs.

Adjustable light color and brightness: The hygger Sun Moon LED Aquarium Light has 8 adjustable light colors and 10 light brightness levels, which is ideal for different lighting requirements and a wide range of applications.

Energy-efficient: The high color rendering index and the lighting effects help save energy, and using a DC adapter ensures a safer and more effective power supply.

Extendable bracket for the series light: The high-quality the extendable bracket is for lights of other lengths to fit a wide range of aquariums.

Memory function: In the event of power failure, the light remembers the preset program, excluding the runtime. When power is restored, it resumes the settings before the power outage, and the timer starts counting from when power is regained.

Suitable for planted and freshwater aquariums: This full-spectrum LED lighting provides your aquarium plants with the light they need for healthy aquatic plants.

2. PRODUCT PARAMETER

| MODEL | HG178 | HG178 | HG178 | HG178 | HG178 | HG178 |
|---|--|--|---|--|---|--|
| | 16W | 20W | 24W | 32W | 40W | 48W |
| LIGHT SIZE (NOT INCLUDING BRACKET) | 11.7x3.94x 0.6inch (27.1x10x 1.5cm) | 15.6x3.94x 0.6 inch (42.1x10x 1.5cm) | 22.5x3.94x 0.6inch (57.1x10x 1.5cm) | 28.4x3.94x 0.6 inch (72.1x10x 1.5cm) | 34.29x3.94x 0.6 inch (87.1x10x 1.5cm) | 46.1x3.94x 0.6 inch (117.1x10x 1.5cm) |
| APPLICABLE TANK SIZE | 12-18inches (30-45cm) | 18-24inches (45-60cm) | 24-30inches (60-76cm) | 30-36inches (76-91cm) | 36-42inches (90-106cm) | 48-54inches (120-137cm) |
| INPUT VOLTAGE | AC100- 240V | AC100- 240V | AC100- 240V | AC100- 240V | AC 100- 240V | AC100- 240V |
| OUTPUT VOLTAGE | DC20V | DC20V | DC20V | DC20V | DC20V | DC20V |
| LED QUANTITY | 72PCS White 36pcs Blue 4pcs Red 4pcs Green 4pcs RGB 24pcs | 108PCS White 54pcs Blue 6pcs Red 6pcs Green 6pcs RGB36pcs | 114PCS White 72pcs Blue 8pcs Red 8pcs Green 8pcs RGB 48pcs | 180PCS White 90pcs Blue 10pcs Red10pcs Green10pcs RGB 60pcs | 216PCS White 108pcs Blue 12pcs Red 12pcs Green12pcs RGB 72pcs | 252PCS White126pcs Blue 14pcs Red 14pcs Green 14pcs RGB 84pcs |
| RENDERING INDEX | 89 | 89 | 89 | 89 | 89 | 89 |
| LUMENS | 960 | 1260 | 1560 | 1980 | 2600 | 3120 |
| COLOR TEMP | 6500- 10000K | 6500- 10000K | 6500- 10000K | 6500- 10000K | 6500- 10000K | 6500- 10000K |
| POWER CORD | 4.9ft(1.5m) | 4.9ft(1.5m) | 8.8ft(2.7m) | 8.8ft (2.7m) | 8.8ft (2.7m) | 8.8ft (2.7m) |

3. INSTRUCTION

Controller Function Instruction

Day-L Timer Indicator:
6H/10H/12H

Day-L Timer Setting Button:

Simple press the DAY-L timer button to select the daylight duration—6H, 10H, or 12H.
-The light will automatically transition through sunrise, daylight, and sunset phases until it turns off.
-The indicator turning off signifies that the Day-L light has been deactivated.

Moon-L Timer Indicator:
3H/5H/12H.

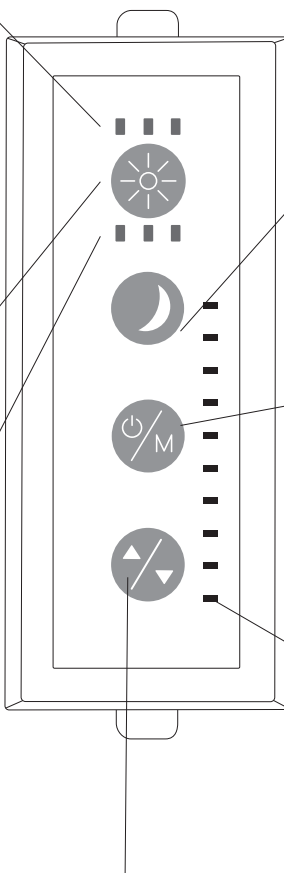
Moon-L Timer Setting Button:

1) A simple press will activate the last color setting.
2) A long press for 3 seconds will cause the 3 timer indicators to flash, indicating the setup for moonlight mode.

Power & Manual Mode Button:

1) A single press cycles through 9 colors.
2) A long press turns the light off.

Brightness Indicator

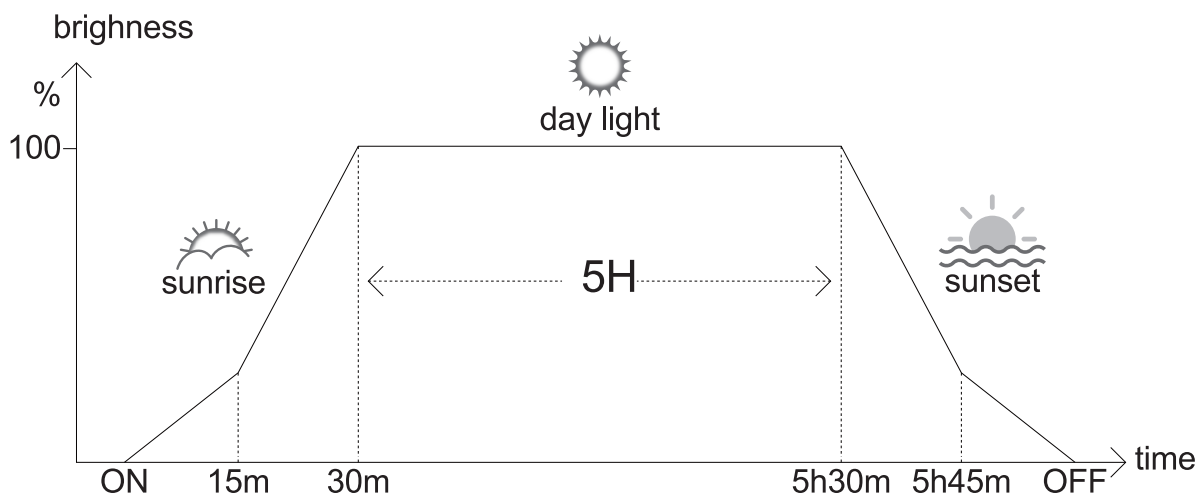


Dimmer Button

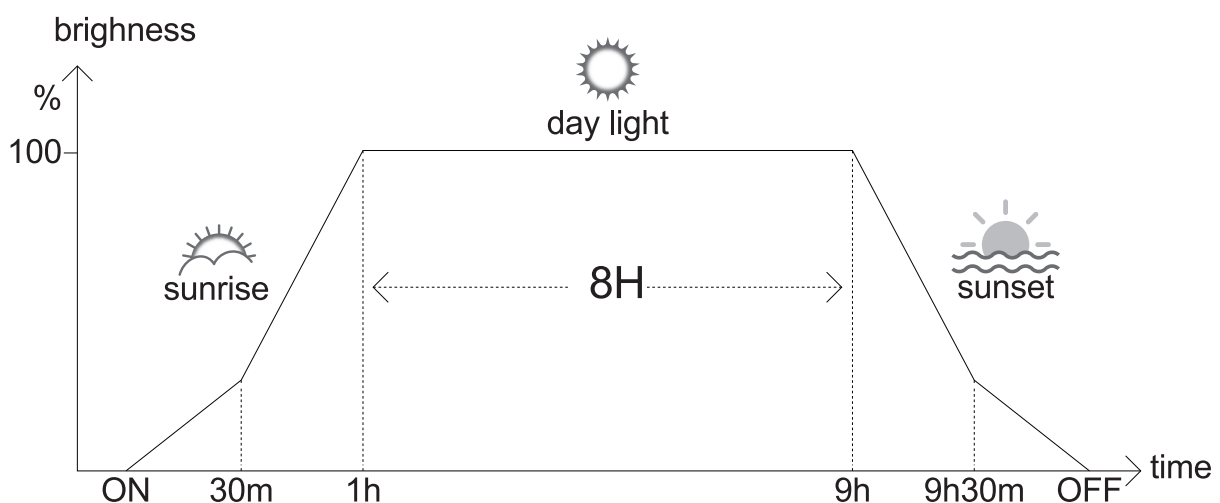
Function Setting: Daylight Lighting Settings

- (1) Press ☀ button to choose the daylight lighting duration--6H, 10H, 12H.
- (2) Once the light's on-time is set, it will emulate a natural sunrise (with orange light gradually intensifying from dark to bright), followed by daylight (full-spectrum white light), and ending with a sunset (orange light gradually dimming from bright to dark).
*Attention: Brightness and color adjustments are not available in the daylight mode.
- (3) On the following day, the light will activate at the same local time as when the DAY-L timer button was initially pressed. And in each subsequent day, the light will start running at the time set on the first day. Subsequent days will see the light starting at the time set on the first day.

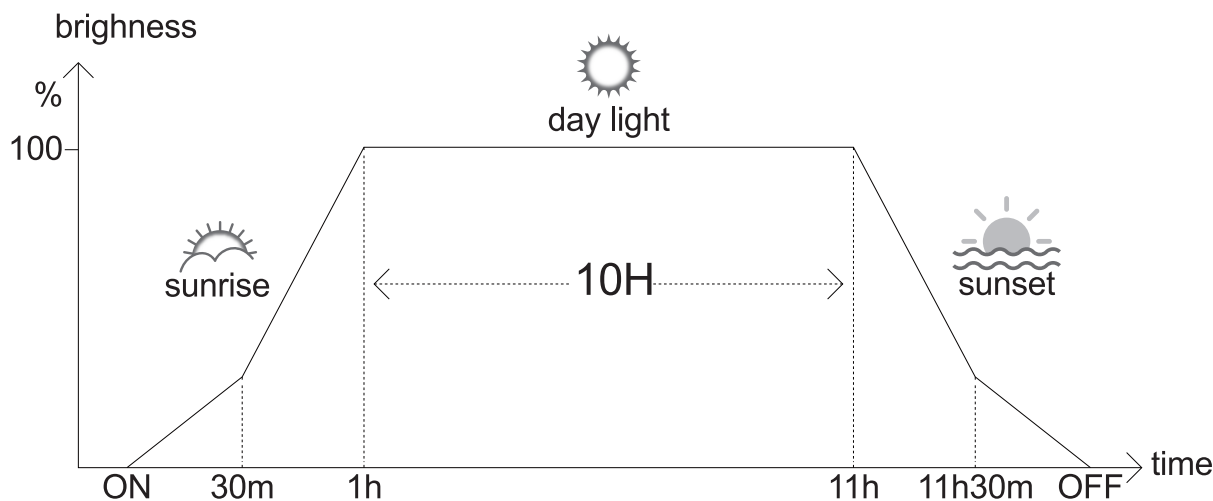
For example, if you select 6H, the light starts with a 30-minute slow ramp-up in yellow, then slowly transitions to the desired intensity and stays on for 5 hours. The intensity gradually decreases and ends with a 30-minute ramp-down. Once set is done, the light will switch on and off automatically every day in the future.



The lighting graph when the DAY-L timer is set to 6H



The lighting graph when the DAY-L timer is set to 10H

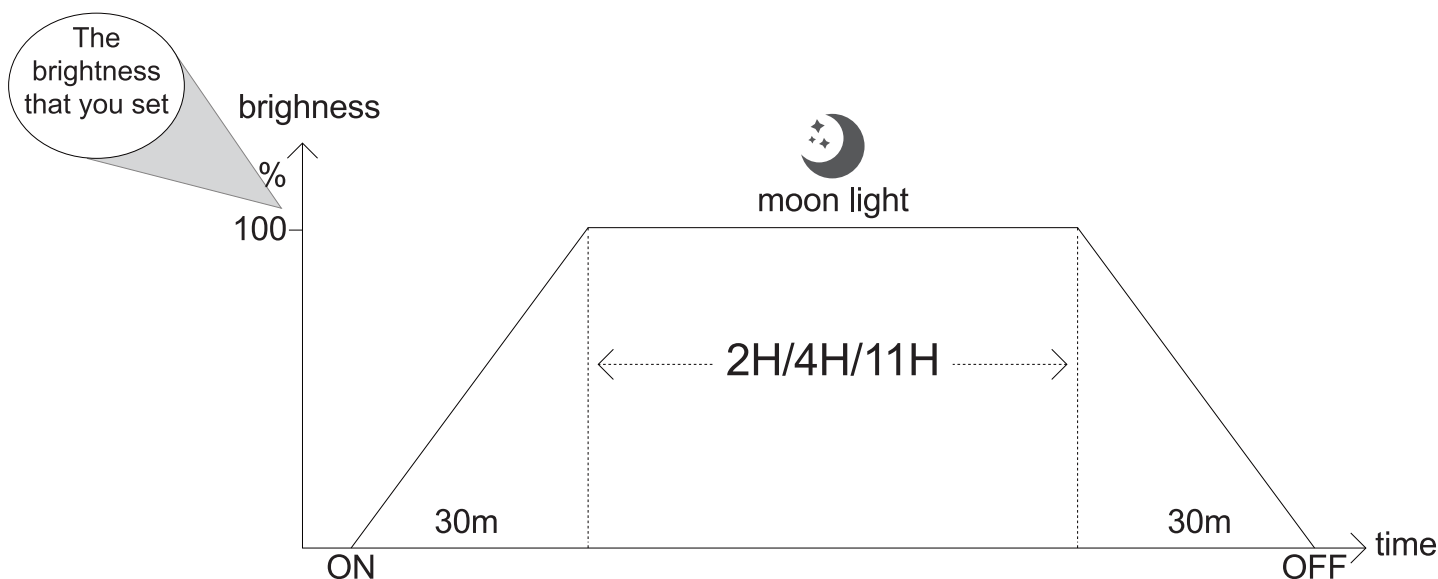


The lighting graph when the DAY-L timer is set to 12H

Moonlight Lighting Settings

- (1) **BEFORE SETTING MOON MODE**, press 🌙 button for more than 3 Seconds, the indicators of the 3H, 5H, and 12H will be on simultaneously, and then press 🌙 to choose the color of the moonlight lighting. You can choose from 7 colors: Red, Orange, Yellow, Green, Cyan, Blue, Rose Red, Color loop.
- (2) Briefly press dimmer 🌙 to adjust the brightness level: 10%-20%-30%-40%-50%-60%-70%-80%-90%-100%.
- (3) Press 🌙 button to exit the moonlight lighting setting.
- (4) Then press the 🌙 button again to select the moonlight lighting duration--3H, 5H, 12H, and the flashing indicator for 3H/5H/12H means that the light is operational.

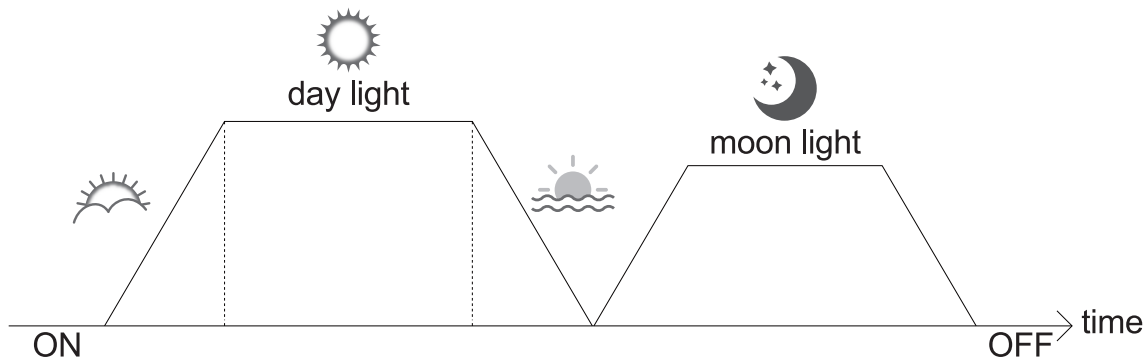
Attention: The brightness will change according to the coordinate in the graph, gradually increasing from dark to bright and then maintaining the set level for 2H/4H/11H before gradually diminishing.



The lighting graph of moonlight lighting

Daylight lighting + Moonlight lighting

- (1) When both Daylight and Moonlight settings are enabled, the light will follow the DAY-L timer settings while active and automatically switch to the MOON-L lighting once the DAY-L timer duration has elapsed.



The lighting graph of all-day lighting

- (2) If daylight timer indicator turns off, that will ONLY run the Moonlight settings.
(3) If you only turn on the daylight setting that will ONLY run the Daylight settings.

Manual Control(Always-on Mode)

If you want to use the always-on mode, the DAY-L/MOON-L timer will stop working and switch to manual control mode.

- (1) Turn on/off: Press \odot_M briefly to turn on the light, and long press for 3 seconds to turn it off.
(2) Lighting Color Selection: Press \odot_M to choose the color of the light after turning it on. Eight colors can be selected: red, orange, yellow, green, cyan, blue, purple, gradient cycle, and full spectrum.
(3) Brightness adjustment: Press \triangle/∇ to adjust the brightness level of the light (10%-20%-30%-40%-50%-60%-70%-80%-90%-100%).

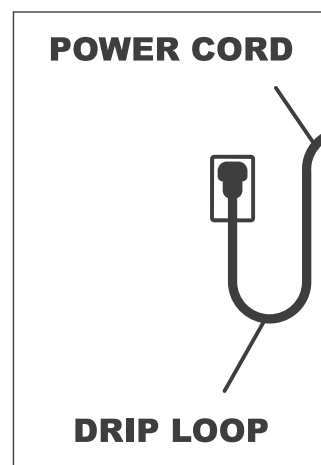
4. ATTENTIONS

- √ Please read this user manual carefully before using and follow it strictly.
 - √ Please keep the switch away from water since it is not waterproof.
 - √ Please keep the light away from flammable items to avoid accidents.
 - √ Please unplug the power and contact the seller if the light is not working properly.
- **OPENING WILL VOID WARRANTY****
- √ Please unplug the power before maintenance.
 - √ Please mind that the temperature range for the light is between 23 ℉ ~113 ℉ (-5 ℃ ~45 ℃).

5. WARNING

To avoid possible electric shock, do not immerse the switch in the water. If the switch falls into the water or becomes wet, do not touch it until you have unplugged it. Basic safety precautions that should be observed are as follows:

1. Read and follow this user manual strictly.
2. **DANGER-** To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself. Instead, return the light to an authorized service facility for maintenance or discard it.
 - A. If the light falls into the water, **DO NOT** touch it. First unplug it, then retrieve it. If electrical components of the light get wet, unplug it immediately.
 - B. Carefully examine the light after installation. It should not be plugged in if there is water on parts that are not intended to be wet.
 - C. Do not operate the light if it has a damaged cord or plug, is malfunctioning, dropped, or damaged in any manner. The power cord of this light cannot be replaced. If the cord is damaged, the light should be discarded.
 - D. To avoid the possibility of the light plug getting wet, position the aquarium and its stand to one side of a wall mounted outlet to prevent water from dripping onto the outlet or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord, which connects the light to the outlet. If an extension cord is used, the “drip loop” is the part of the cord below the level of the outlet or the connector that prevents water from traveling along the cord and coming in contact with the outlet. If the plug or outlet does get wet, **DO NOT** unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the light. Then, unplug and examine for the presence of water in the outlet. If you are not sure, consult a certified electrician.
3. Close supervision is necessary when the light is used near children.
4. To avoid injury, do not contact moving or hot parts.
5. Make sure the light is securely installed before operating it.
6. Read and observe all the important notices on the light.
7. If an extension cord is necessary, a cord with a proper rating should be used, such as rated amperes or watts. A cord rated for fewer amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
8. The light is intended **FOR HOUSEHOLD USE ONLY**.
9. **SAVE THIS USER MANUAL**.



6. HYGGER LIMITED MANUFACTURER'S WARRANTY

We offer the end user of this product a manufacturer warranty of 3 (2) years from the date of sale if this product was purchased from a hygger®-authorised specialist dealer.

Retain receipt for any future warranty claim. Conditions apply. Products are guaranteed by hygger® Aquatic Supplies to the original purchaser against defective material and workmanship under normal use for a period up to 3 (2) years from the date of the original purchase through an Authorized Dealer. Refer to the User Manual included with your product for specific warranty details.

Products have no warranty if:

- (1.) The product has been serviced, modified or tampered with by anyone other than hygger® Aquatic Supplies.
- (2.) The product has been abused or damaged (including broken or cracked bulbs), and/ or.
- (3.) The product has been transported without proper packaging.
- (4.) The product was purchased from an Unauthorized Reseller.

Products have no warranty if:

In no event will hygger® be liable for any consequential or incidental damages, including but not limited to, lost aquatic life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of any hygger® products.

1.0. 1.0. Terms and Conditions of Warranty.

- 1.1. 1.1. hygger® warrants to the purchaser, for 3 (2) years from date of original purchase through an Authorized hygger® Reseller, free to repair or replace parts where fault is found due to defective materials or faulty workmanship and where goods do not operate in accordance with the instructions.
 - 1.2. 1.2. All claims for repair or replacement must be made at place of purchase.
 - 1.3. 1.3. Only the direct purchaser is entitled to warranty claims against us and these are not transferable without our consent.
 - 1.4. 1.4. The original and dated Proof of Purchase (receipt) must be supplied with all goods claims. Please also provide this Guarantee where possible.
 - 1.5. 1.5. Wear parts (e.g.: seals, suction devices, axes, pump wheels, light sources, pH electrodes, filter media, such as filter cartridges, as well as UVC burners), glass damage and the opening of the product, as well as structural changes or the use of non-hygger® original parts are excluded from the guarantee.
 - 1.6. 1.6. All goods subject to claim under Guarantee should be prepared for transportation in the original packaging or other comparable packaging which offers the same degree of protection and hygger® must incur no costs from the shipment.
 - 1.7. 1.7. Where claims on inspection reveal goods are in normal working order, hygger® will request reimbursement of all reasonable costs incurred.
 - 1.8. 1.8. Warranty claims do not exist in the case of only insignificant deviations from the agreed or customary condition or usability, e.g. insignificant deviations in colour, dimensions and/or quality or performance characteristics of the products.
 - 1.9. 1.9. Our warranty obligation extends only to the delivery of newly manufactured products. Unless otherwise agreed, used products are sold as seen, excluding any warranty.
- For more warranty information, please see the hygger website.

7. DISPOSAL

Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product has to be disposed of at an authorized place for the recycling of electrical and electronic appliances rather than being disposed of together with the domestic waste. Collecting and recycling waste is a way of saving natural resources. So, please consult with your local seller to make sure the product is disposed of in an environmentally friendly way.



8. PACKING LIST

1 x Light with controller
1 x DC adapter

2 x Extendable metal bracket
1 x User manual

9. CONTACT INFORMATION

Distributed by: Hygger Aquarium, Inc.
13941 Magnolia Ave, Chino, CA 91710

E-mail: distributor@hyggeraquarium.com
Website: www.hyggeraquarium.com

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USA Call: +1 (909) 590-2880
Mon-Fri: 9:00 am - 5:30 pm PST Sat-Sun: Closed

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|-----------|------------|--|
| EC | REP | E-CrossStu GmbH Mainzer Landstr.69, Frankfurt am Main, Baden-Württemberg, 60329, Germany E-CrossStu@web.de +49 69332967674 |
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| | | |
|-----------|------------|---|
| UK | REP | YH Consulting Limited C/O YH Consulting Limited Office 147, Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX, London H2YHUK@gmail.com +44 07514-677868 |
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