

OWNER'S MANUAL

LED Strip with remote control



Congratulations on your purchase of MSpa. We are confident that you will enjoy many benefits of using MSpa with the LED strip for years to come. Carefully and thoroughly read this manual before using the product for the first time.



⚠ WARNING

For your own safety and that of your equipment, make sure to take the following precautions. Failure to follow the warning notices and instruction may result in property damage, serious injury or death.

SAFETY PRECAUTIONS

- Do not pull or break the light strip with excessive force when install or disassemble the LED strip to or from the spa pool.
- Only use the MSpa AC power adapter to connect the LED strip.
- Be aware of the LED strip chip is not exchangeable or removable.
- Do not operate the LED strip or connect to the power if the package is unpacked.
- Be aware of the linear LED strip can only be operated individually. Do not connect the strip with other LED strip.
- It is recommended to keep the original package or user's manual.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the LED strip shall be destroyed.

PRODUCT CONTENTS

a) 1 X LED strip



Power connection end

b) 1 X AC power adapter



Picture for reference only. The actual adapters may vary for different regional standards.

C) 1 X remote control



LED STRIP

MODEL & SPECIFICATIONS

Item	Model	Length (m)	LED Chips (pcs)
LED Strip for D-AU04	LED - 4DC12R	5	150
LED Strip for U-AU061	LED - 6DC12R	5.7	171

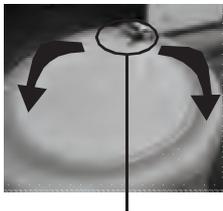
Power supply: DC12V, 18W (for LED-4DC12R), 22W (for LED-6DC12R.)

IP Rating: IP65 ; Do not put the LED strip into water

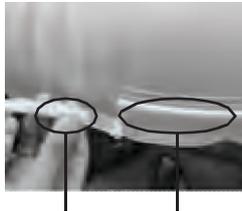
Lighting Mode: : Colors - Green, blue, lime, white, cyan and purple. Changing every five to six seconds.(for LED-4DC12R / LED-6DC12R)

INSTALLATION

1. Take out the LED strip from the package box, spread it gently.
2. Refer to your MSpa User's Manual for spa inflation. Assemble the LED strip onto spa bottom after the spa pool is properly inflated.
3. Put the spa pool up side down. Make sure the installation location must be free of sharp objects or debris. It is recommended to place a ground mat to protect the spa tub before installation. Connect the LED strip (End point) to the spa bottom beside the control box, either clockwise or counterclockwise is good.
4. Find the PVC connecting channels on the spa pool bottom to secure the LED strip. Starting from either side of the control box, take the end point of the LED strip, make it get trough the PVC channel one by one. Ensure the strip light front side (with the chips) face to the spa pool bottom.



Choose either side of the control box to start connecting the LED strip



Front side of the strip
PVC Channel



Front side face to the spa bottom

Please note the Power connection end of the LED strip can not be passed through the PVC channel.

To help reduce the friction between the LED strip and PVC channel during assembly or disassembly, please gently spray the LED strip with some water before install or uninstall the LED strip.

5. During the installation, make sure the LED strip pass through each PVC channel completely and correctly before to the next PVC channel, no twist or bump. Never pull the strip with excessive force, which will cause damage to the strip and void the warranty. Place the LED strip on the spa bottom and chips face inside the spa for best lighting effect.
6. After passing through all the PVC connection channels smoothly, the LED strip makes an even circle at the spa tub bottom. Now turn the spa tub over and place it on the floor gently. Find the Power connection end of LED strip bottom, and then connect it to the AC power adapter, plug into the outlet and check if the LED strip operates normally.

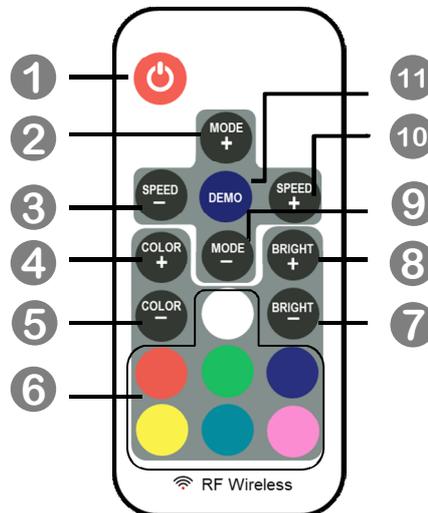
Connect LED strip to the AC adapter



Remote Controller

SPECIFICATIONS

Dynamic mode	22 modes
Static Color	20 colors
PWM Grade	256 levels
Brightness Grade	5 levels
Speed Grade	10 levels
Demo mode	Yes
Direct Color Select	Yes
Output Color Switchable	Yes, 6 options
Working Voltage	DC 5~24V
Modulation Type	ASK
Antenna type and Gain	PCB antenna,0dBi
Remote frequency	433.92MHZ
Remote distance	>15m at open area



OPERATION

Using Remote Controller

Pull out the battery insulating tape before using. Install button batteries (not included).

Pairing New Remote

The light strip and remote controller from the same set have already been paired. To pair light strip to additional or new remote controller, please follow the step below:

1. Unplug the light strip. Plug it back after 5 seconds.
2. Press "SPEED+" and "SPEED-" at the same time and hold for 5 seconds. The pairing is completed.

Switch Color Sequence

If the direct color button doesn't match output LED light, follow below steps to adjust the light sequences:

1. Unplug the light strip. Plug it back after 5 seconds.
2. Press RED and BLUE button together and hold for 5 seconds. With this operation, the output light sequence will switch between 6 possible combinations.

FUNCTIONALITY

1. Turn On / Standby

Press the button to turn on the light strip or switch to standby mode. When being powered on, the light strip will automatically turn on and restore to the previous state.

2/9. Dynamic Mode Adjust

Switch to dynamic mode from static color, or switch between dynamic modes.

3/10. Dynamic Speed Adjust

Adjust the dynamic playing speed. The light will switch to dynamic mode if press this button at static color mode.

4/5. Static Color Adjust

Switch to static color mode from dynamic mode, or switch between static colors.

6. Direct Color Select

Select static colors directly. When press the specific color button, light strip will play the same static color. The direct colors are included in "COLOR+" and "COLOR-" operation.

7/8. Brightness Adjust

Adjust static color brightness. The light will switch to static color mode if press this button at dynamic mode.

11. Demo Mode

Press this button will switch to Demo mode. At demo mode, it plays 17 dynamic modes in loop, each mode repeats 3 times.

FCC/IC COMPLIANCE / TM / WARRANTY

This device complies with Part 15 of the FCC Rules / Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

ORIENTAL RECREATIONAL PRODUCTS (SHANGHAI) CO., LTD

ADDRESS: No. 1699 DaYe Rd, Wuqiao, FengXian District, Shanghai, China 201402

PHONE: +86-21-57402084 FAX: +86-21-57401306 E-MAIL: info@the-mspa.com