

STD-LINE



FOLLOW SPOT 300

FOLLOW SPOT

User manual

R STAGE

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1 – INTRODUCTION TO THE MANUAL

Welcome to the FOLLOW SPOT 300 user manual. This document provides information on setting up, operating, and maintaining the device.

2 – GENERAL WARNING

- ⚠ Please read the instructions in this user manual carefully, as they contain important safety information regarding installation, use, and maintenance.
- ⚠ This appliance is not intended for household use and should be installed by a qualified electrician or other experienced professional. The appliance must be properly grounded.

3 – GENERAL WARRANTY CONDITIONS

The device is guaranteed for 12 months from the date of purchase against manufacturing defects in materials and workmanship.

4 – TECHNICAL CHARACTERISTICS

Light source:

- LED: 300 W. White LED, 15700°k, 1,020,000 cd.
- CRI: RA>80

Optical system

- Beam angle: 1°-9°



4 – TECHNICAL CHARACTERISTICS

The **FOLLOW SPOT 300** is a budget-friendly, all-purpose spotlight with a 200W RGBW LED, delivering clean, accurate color rendering and soft, uniform light.

The fixture is ideal for theater productions, concert halls, cultural centers, and restaurants.

The FOLLOW SPOT 300 is designed specifically for stage lighting, where flexible control and high-quality light output are essential in a budget-friendly solution. It delivers 40,800 Lux at a 1° angle at a distance of 5 meters.

FOLLOW SPOT 300 Features:

- Beam angle from 1° to 9°.
- Color wheel
- Temperature wheel
- Motorized iris
- Compact size
- Stand included
- Intuitive keypad controls
- Operating voltage: 100-240 V

Dimmer/Strobe

- Linear dimmer (8-bit)

Colors

- The device has a 5-filter wheel:
- Yellow: Filter throughput: 76.08%
- Amber: Filter throughput: 95%
- Green: Filter throughput: 38.15%
- Blue: Filter throughput: 11.185%
- Red: Filter throughput: 8.265%

CTO wheel with 3 filters:

- 3200k: RA>80% Filter throughput: 46.07%
- 3400k: RA>85% Filter throughput: 33.82%
- 14650k: RA>80% Filter throughput: 49.01%

4 – TECHNICAL CHARACTERISTICS

DMX and Control

- 4 DMX channels (default).
- RDM Manufacture ID: 05ACh

Connections

- 2 XLR connectors:
 - 3-pin DMX In/Out.
- POWERCONN In connector (Neutrik).

Power Supply

- Voltage: 100–240 V (50/60 Hz).
- Power Consumption: 220 W.
- Operating ambient temperature: -10°C to +40°C.

Interface

- Physical control keys.

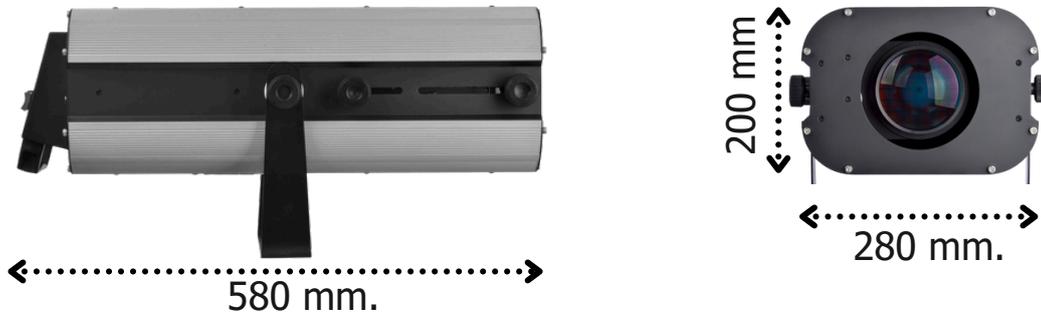
Weight

- Without packaging: 14.8 kg.
- With case: 36 kg.

Dimensions:

- Without packaging: 580 x 280 x 200 mm.
- With case: 740 x 500 x 400 mm.

4 – TECHNICAL CHARACTERISTICS



5 – EQUIPMENT

The standard package includes:

- 1× FOLLOW SPOT 300 Spotlight.
- 1× Spotlight Stand.
- 1× POWERCONN Male Connector (Male).
- 1× 3-Pin Male XLR Connector (Male).
- 1× 3-Pin Female XLR Connector (Female).
- User Manual.

6 – IMPORTANT SAFETY INFORMATION



6.1. Fire Prevention:

- Never install the device on flammable surfaces.
- Minimum distance from flammable materials: 1.5 m.
- Minimum distance to the nearest illuminated surface: 2 m.
- Replace blown or damaged fuses only with fuses of the same rating.
- Connect the device to the power supply only through a thermal circuit breaker.



6.2. Electric Shock Prevention:

- High voltage is present inside the device. Disconnect it from the power supply before performing any work that involves touching the internal components of the device.
- The high level of technological complexity of the FOLLOW SPOT 300 requires servicing only by qualified personnel. Contact an authorized PRstage service center.
- Reliable grounding is essential for the proper operation of the device.
- Never connect the device without proper grounding.
- The device must be installed in a well-ventilated area.



6.3. Protection from bright light:

- Never look directly into the floodlight while it is on.



6.4. Safety:

- The floodlight must always be installed using bolts, clamps, and other fasteners capable of supporting its weight.
- Always use an additional safety cable to secure the unit in the event of failure of the primary mount.
- The outer surface of the unit may reach temperatures exceeding 70°C in some areas. Do not touch the unit for at least 10 minutes after turning it off.

6 – IMPORTANT SAFETY INFORMATION



6.4. Safety:

- Never install the fixture in enclosed spaces without adequate air circulation. The ambient temperature must not exceed 40°C.

6.5. Protection Rating against Ingress of Solid Particles and Liquids:

- The fixture is classified as normal equipment with an IP20 protection rating, meaning it is not protected against dust or moisture.
- For outdoor use, PRstage recommends using dedicated rain covers or dedicated fixtures with protection against liquids or other solid particles. Please consult a PRstage specialist for details.



7 – VOLTAGE AND FREQUENCY

- FOLLOW SPOT 300 can operate in the range of 100-240V at 50 or 60Hz.

8 – INSTALLATION

- The FOLLOW SPOT 300 can be mounted either on a stand or suspended from a clamp.

Stand mounting:

- The unit has a central mounting hole (Fig. 1, page 9).

Clamp mounting:

- It is recommended to use appropriate clamps for mounting (Fig. 2, page 9).
- The supporting structure to which the unit is suspended must be capable of supporting its weight, as must the mounting hardware used.

8 – INSTALLATION



Fig.1



Fig.2



8.2 – PROTECTION AGAINST LIQUIDS

- The projector contains electrical and electronic components that should never come into contact with oil, water, or other liquids.
- Liquid contact may impair the operation of the device.

8.3 – FORCED VENTILATION

- Upon inspection, you'll notice that the device is equipped with air intake vents and cooling fans located at the base and head of the unit.
- Never block or cover these vents while the projector is operating.
- Doing so may cause the unit to overheat, which could lead to malfunction.

9 – CONNECTING TO THE NETWORK

- The FOLLOW SPOT 300 operates in the 100–240 V range at 50–60 Hz.
- Before connecting the appliance to the power outlet, ensure that the power voltage matches the appliance model.

To connect:

- Make sure the plug supports 8 A at 230 V or 16 A at 100–120 V.

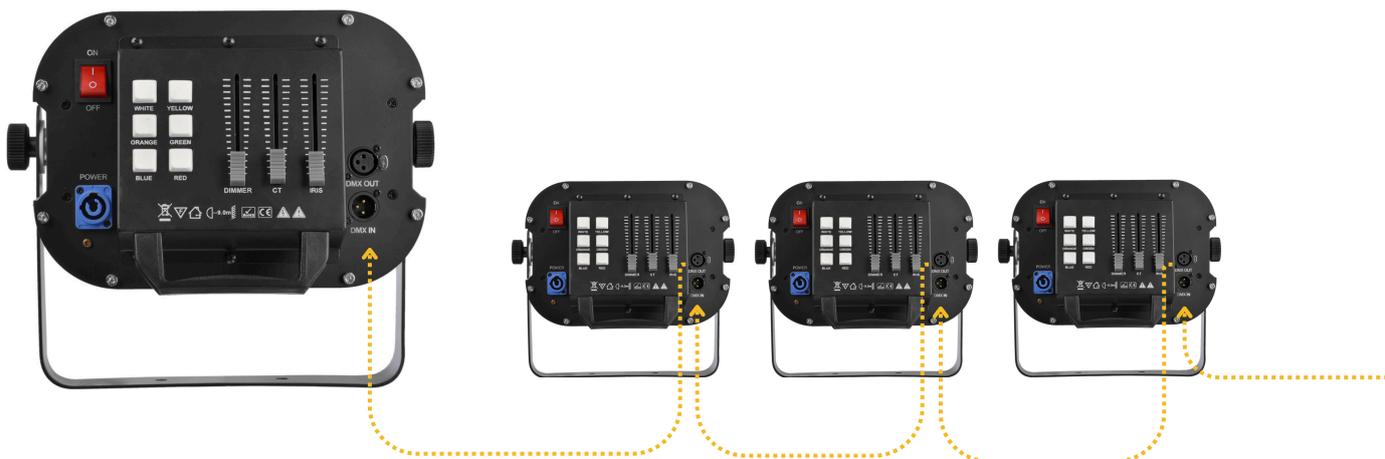


10 – CONNECTING THE DMX SIGNAL

The fixture operates using the DMX-512 digital protocol.

DMX Connection

- The connection between the DMX controller and the fixture, or between multiple fixtures, must be made using a shielded two-pair cable (ø 0.5 mm) and XLR connectors (3 or 5 pins).
- Ensure that the wires do not touch each other.
- Do not connect the ground of the cable to the XLR connector housing—the housing must be insulated.
- Connect the controller's DMX output to the DMX IN of the first fixture.
- Then connect the DMX OUT of the first fixture to the DMX IN of the second fixture, and so on.
- This way, all fixtures are cascaded.



10 – CONNECTING THE DMX SIGNAL

DMX Errors

- If the fixture does not respond to the DMX signal, this indicates one of the following problems:
- No DMX signal.
- DMX receiver error.
- The fixture address is set incorrectly.

Using a DMX Terminator

- For installations with long DMX cables, it is recommended to use a DMX terminator.
- A terminator is an XLR plug (3 or 5 pins) with a 120 ohm resistor between pins 2 and 3.
- The DMX terminator should be connected to the DMX OUT port of the last fixture in the chain.

10.1 – DMX ADDRESSES

- The FOLLOW SPOT 300 can be controlled in 4-channel DMX mode. Set the following addresses on the controller:
- Spot 1 → A001
- Spot 2 → A005
- Spot 3 → A009
- ...
- Spot 6 → A021
- To set the DMX address for the next fixture, simply add 4 to the previous address.



- The default address of the spotlight is A001

10.2 – SELECTING A DMX ADDRESS

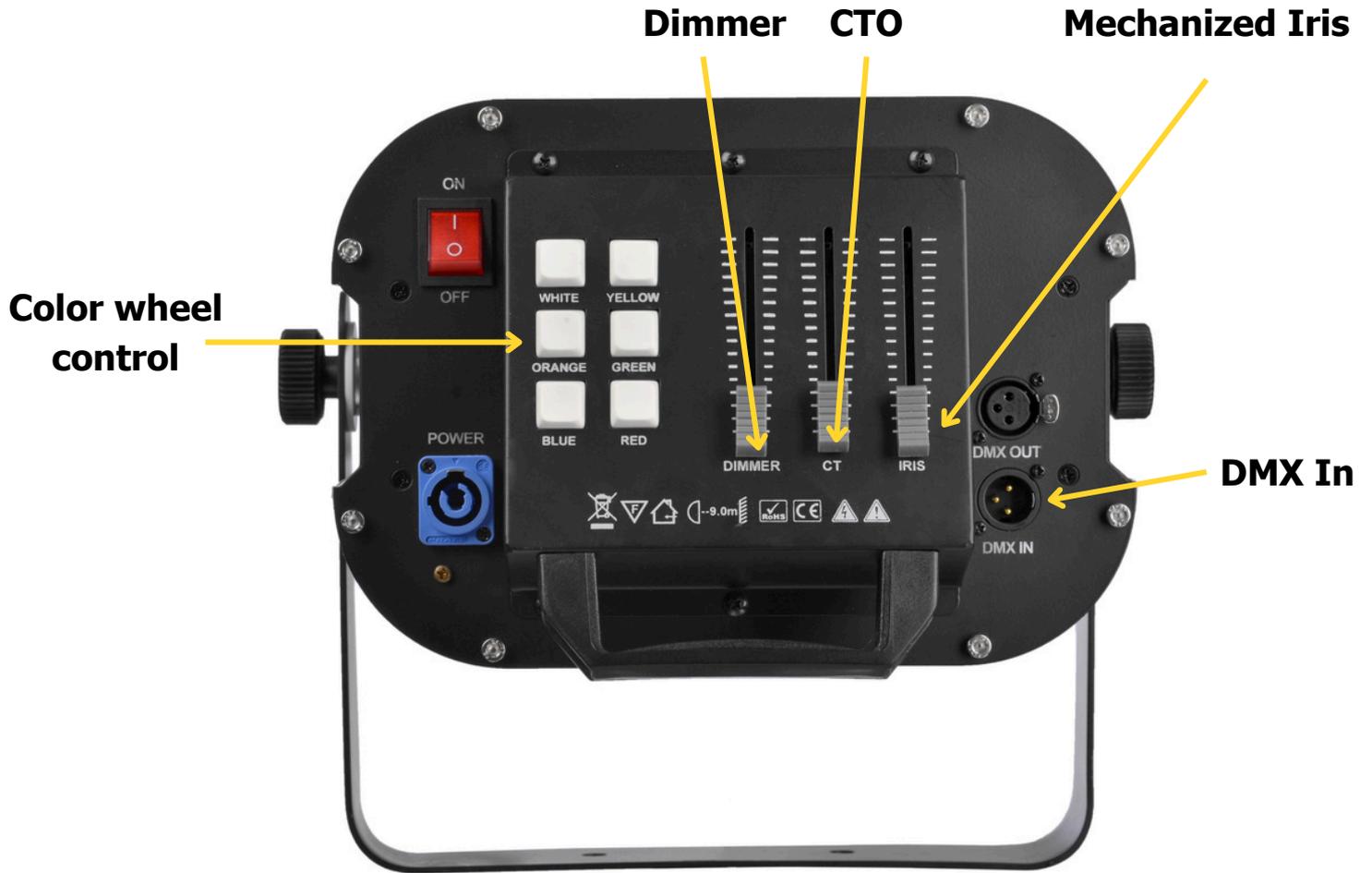


- Press the +/- button until you reach the desired DMX address.
- Set the desired DMX address.
- Press ENTER to confirm your selection.



- **By default, the standard version of the projector doesn't have address changing.**
- If you need to change the address, there's an additional option with a graphical interface for changing the DMX address.

11 – FUNCTIONS SPOTLIGHTS



12 – PERIODIC CLEANING

12.1 – Lenses and Reflectors

- Even a thin layer of dust can significantly reduce light output.
- Regularly clean all lenses and the reflector (if applicable) with a soft cotton cloth dampened with a special solution.

12.2 – Fans and Vents

- Fans and vents should be cleaned approximately every 6 weeks.
- The frequency of cleaning depends on the operating conditions of the floodlight.

For cleaning, you can use:

- A brush
- A standard vacuum cleaner
- Air compressor
- If the unit operates in a dusty environment, clean the fans and vents more frequently.

13 – PERIODIC CHECKS



Caution!

Unplug the appliance before removing the housing.

Mechanical Components

- Periodically inspect all mechanical components:
 - Gears
 - Guides
 - Belts and other moving parts
 - Replace worn parts as necessary.
 - Check the lubrication of all components, especially those exposed to high temperatures.
 - Use the appropriate lubricant recommended by PRstage.
 - Check belt tension and adjust if necessary.
- Electrical Components
 - Check grounding and proper connection of all connectors.
 - Tighten any loose connections.

13 – PERIODIC CHECKS

Replacing the Fuse

- The fuse protecting the lamp and electronic components is located in the FOLLOW SPOT 300 housing.
- Check the fuse with a multimeter.
- If the fuse is blown, replace it with one of the same rating.

Caution!

**During the warranty period, disassembling the device is prohibited!
This may result in warranty denial!**

14 – DMX PROTOCOL

4 - CHANNEL DMX MODE (DEFAULT)

1. COLOR WHEEL – Spotlight color change
2. CTO – Spotlight beam color temperature
3. DIMMER – Dimmer
4. IRIS – Iris

**14 – DMX PROTOCOL
MODE 1 – 4 - CHANNEL DMX MODE**

DMX channel	Parameter	DMX value	Function
1	Color Wheel	000-049 050-099 100-149 150-199 200-249 250-255	Open Yellow Amber Green Blue Red
2	CTO	000-069 070-139 140-209 210-255	Open 3200K 3400K 14650k
3	Dimmer	0-255	Linear from 0% to 100%
4	Iris	0-255	Linear from 9° to 1°

15 – WARRANTY CARD

1. Product Information

- Device Model: FOLLOW SPOT 300
- Serial Number:
- Sale Date:
- Seller:

2. Warranty Terms

- The warranty is valid for 12 months from the date of purchase.
- It covers manufacturing defects and malfunctions not caused by external factors.
- Repairs under warranty are carried out at authorized service centers.

3. The warranty does not cover:

- Mechanical damage caused by careless handling.
- Failures caused by improper connections or power surges.
- Ingress of moisture, dust, or foreign objects into the device.
- Independent repairs and modifications.



15 – WARRANTY CARD

4. Terms of Service

- For warranty repairs, you must provide a completed warranty card and a receipt or other payment document.
- Repair time depends on the severity of the problem.

5. Service Center Contact Information

- 📍 • Address: Petropavlovsk, Abay Street 29, Office 301
- ☎️ • Phone: +7 (7152) 63 04 04
- 📞 • What'sApp: +7 (776) 2390086
- ✉️ • Email: info@prstage.pro
- Seller's Seal: _____
- Buyer's Signature: _____

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