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jepwe F5860/F5890

Jepwe Self-Leveling Sewer Camera Head Instruction Manual

Model: F5860 / F5890

1. Introduction

This manual provides essential instructions for the proper installation, operation, and maintenance of your Jepwe Self-Leveling Sewer Camera Head. This replacement camera head is designed for use with compatible sewer inspection systems, specifically models F5860 and F5890. Please read this manual thoroughly before use to ensure optimal performance and longevity of the product.

Important: This camera head is compatible only with sewer inspection systems models F5860 and F5890. Please confirm your system model before proceeding.

2. Product Overview

The Jepwe Self-Leveling Sewer Camera Head is a high-definition (1080P) replacement component featuring a 0.9-inch (23mm) diameter and 12 integrated LED lights for illumination. Its self-leveling function ensures the image remains upright during inspections, providing clear and consistent visual feedback. The unit is IP68 waterproof, suitable for submerged use in pipes.



Figure 1: Jepwe Self-Leveling Sewer Camera Head. This image displays the camera head with its flexible spring-like neck and connector, highlighting the camera lens surrounded by LED lights at the tip.

2.1 What's in the Box

- Self-Leveling Sewer Camera Head (1 unit)

3. Key Features

- **Self-Leveling Function:** Ensures the camera image remains upright, regardless of the camera's rotation within the pipe.
- **High-Definition Imaging:** 1080P resolution for clear and detailed visual inspection.
- **Optimal Illumination:** Equipped with 12 adjustable LED lights to brighten dark pipe environments.
- **Durable Construction:** IP68 waterproof rating for reliable operation in wet conditions.
- **Compact Size:** 0.9-inch (23mm) diameter suitable for various pipe sizes.
- **Compatibility:** Specifically designed for Anysun and HBUDS systems, models F5860 and F5890.

- **Note:** This camera head features self-leveling functionality but does not include 512Hz sonde capabilities.

4. Setup

1. **Power Off System:** Before connecting the camera head, ensure your F5860 or F5890 sewer inspection system is completely powered off to prevent electrical damage.
2. **Inspect Connection:** Carefully examine the connector on both the camera head and your system's cable for any debris, damage, or moisture. Clean if necessary.
3. **Connect Camera Head:** Align the camera head's connector with the system's cable connector. Gently push and twist (if applicable) to secure the connection. Ensure it is firmly seated to maintain waterproof integrity. Do not force the connection.
4. **Verify Seal:** For waterproof models, ensure any O-rings or sealing mechanisms are properly seated and not pinched.
5. **Power On System:** Once the camera head is securely connected, power on your F5860 or F5890 system.
6. **Test Functionality:** Verify that the camera displays an image on your system's monitor and that the LED lights illuminate. Test the self-leveling function by rotating the camera head; the image on the screen should remain upright.

5. Operating Instructions

Once the camera head is properly connected and tested, you can begin your inspection. Refer to your F5860 or F5890 system's main instruction manual for detailed operation of the control unit.

- **Insertion:** Carefully insert the camera head into the pipe or conduit. Avoid sudden impacts or sharp bends that could damage the camera or cable.
- **Navigation:** Guide the camera through the inspection area. The self-leveling feature will automatically adjust the image orientation.
- **Illumination:** Adjust the brightness of the LED lights via your system's control unit to achieve optimal visibility in varying light conditions.
- **Recording:** Utilize your system's recording functions to capture video or still images of the inspection.
- **Retrieval:** Slowly and carefully retract the camera head from the pipe after the inspection is complete.

6. Maintenance

- **Cleaning:** After each use, gently clean the camera head with a soft, damp cloth to remove any debris, dirt, or residue. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the camera lens, LED lights, and connector for any signs of damage, wear, or corrosion.
- **Storage:** Store the camera head in a clean, dry, and temperature-controlled environment, away from direct sunlight and extreme temperatures. Ensure it is disconnected from the main system when not in use.
- **Waterproof Seal:** Periodically check the integrity of the waterproof seals, especially around the connector, to ensure continued IP68 protection.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No image on screen.	• Loose connection. • System not powered on. • Damaged camera head or cable.	• Ensure camera head is securely connected. • Verify the main system is powered on. • Inspect for visible damage; contact support if damaged.
Image is dark or unclear.	• Insufficient LED illumination. • Dirty camera lens.	• Adjust LED brightness on your system. • Clean the camera lens gently.
Self-leveling not working.	• Internal malfunction.	• Ensure the camera head is fully submerged or in a stable position. If the issue persists, contact customer support.
Water ingress.	• Improperly sealed connection. • Damaged waterproof seal.	• Immediately power off the system. Disconnect and inspect the connection for proper sealing. If damage is suspected, discontinue use and contact support.

8. Specifications

Model Compatibility	F5860, F5890 (Anysun, HBUDS)
Camera Diameter	0.9 inches (23mm)
Video Resolution	1080P
Illumination	12 LED Lights
Special Features	Self-Leveling Function (No 512Hz Sonde)
Waterproof Rating	IP68
Item Weight	5.9 ounces (approx. 167 grams)
Package Dimensions	7.48 x 4.92 x 1.57 inches
Batteries Required	No (Powered by main system)
Manufacturer	Jepwe

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your original F5860 or F5890 sewer inspection system, or contact the seller/manufacturer directly. Ensure you have your purchase details and product model information available when seeking support.

Manufacturer: Jepwe

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