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BIG BOOM EP-212713BIG BOOM

BIG BOOM® FB6B USB Borescope Endoscope User Manual

Model: FB6B | EP-212713BIG BOOM

1. Introduction

Thank you for choosing the BIG BOOM® FB6B USB Borescope Endoscope. This device is designed for visual inspection in hard-to-reach areas, offering a clear view with its 8mm waterproof camera and 2-meter cable. It is compatible with Android devices and PCs, making it a versatile tool for various applications, including automotive inspection, plumbing, industrial maintenance, and more.
Please read this manual thoroughly before using the product to ensure proper operation and to maximize its lifespan.

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Figure 1: Overview of the BIG BOOM® FB6B USB Borescope Endoscope, showing the camera head, flexible cable, and USB connector.

2. What's in the Box

Please check the contents of your package. If any items are missing or damaged, contact your seller immediately.

- BIG BOOM® FB6B USB Borescope Endoscope Unit (with 2M cable)
- USB to Micro-USB Adapter
- User Manual
- Protective Case

3. Setup Guide

3.1 Android Device Setup

1. **Check OTG Support:** Ensure your Android device supports OTG (On-The-Go) functionality. Most modern Android phones do, but you can verify this with an OTG checker app or your device's specifications.
2. **Download Application:** Search for and download a compatible borescope or endoscope application from the Google Play Store. Recommended apps include "USB Camera", "OTG View", or "AN98".
3. **Connect the Borescope:**
    - If your phone has a Micro-USB port, connect the borescope's USB plug to the provided USB to Micro-USB adapter, then plug the adapter into your phone.
    - If your phone has a USB-C port, you will need a separate USB-A to USB-C adapter (not included) to connect the borescope.
4. **Launch Application:** Open the downloaded borescope application. The app should automatically detect the borescope and display the live video feed. Grant any necessary permissions (e.g., camera, storage).



Figure 2: Close-up of the USB connector with the Micro-USB adapter, illustrating how to connect to compatible devices.

3.2 PC Setup (Windows/Mac)

1. **Connect the Borescope:** Plug the borescope's USB connector directly into an available USB port on your computer.
2. **Access Camera:**
    - **Windows:** Open the built-in "Camera" application or a third-party webcam software. You may need to select the borescope as the active camera.
    - **Mac:** Open "Photo Booth" or "QuickTime Player" (File > New Movie Recording) and select the borescope as the camera source.

4. Operating Instructions

4.1 Basic Operation

1. **Power On:** The borescope powers on automatically when connected to a compatible device and the application is launched.
2. **Adjust LED Brightness:** The borescope features adjustable LED lights around the camera lens. Locate the brightness adjustment wheel or button on the USB connector or cable. Rotate/press to increase or decrease illumination for optimal viewing in dark environments.
3. **Navigate:** Carefully insert the camera probe into the area you wish to inspect. Guide the flexible cable to maneuver the camera.
4. **View Live Feed:** Observe the live video feed on your connected device's screen.

4.2 Capturing Images and Videos

Most borescope applications provide options to capture still images and record videos. Look for camera and video recorder icons within your chosen application's interface.

- **Take Photo:** Tap the camera icon to capture a still image of the current view.
- **Record Video:** Tap the video recorder icon to start recording. Tap again to stop.
- **Access Files:** Captured images and videos are typically saved to your device's gallery or a specific folder within the application.



Figure 3: The borescope connected to an Android phone, demonstrating its waterproof capability with the camera submerged in water.

5. Maintenance and Care

- **Cleaning the Lens:** After use, especially in dirty or wet environments, gently wipe the camera lens with a soft, lint-free cloth. For stubborn dirt, a small amount of lens cleaning solution can be applied to the cloth (not directly to the lens).
- **Waterproof Care:** While the camera head is waterproof, avoid submerging the USB connector or the main body of the cable in water. Ensure the camera head is clean and dry before storing.
- **Cable Handling:** Do not bend the cable sharply or apply excessive force, as this can damage internal wiring. Coil the cable loosely for storage.
- **Storage:** Store the borescope in its protective case in a cool, dry place, away from direct sunlight and extreme temperatures.

- **Avoid Harsh Chemicals:** Do not use abrasive cleaners, solvents, or strong chemicals on any part of the borescope.

6. Troubleshooting

Problem	Possible Cause	Solution
No image on screen / Device not detecting borescope	• Incorrect connection • Device does not support OTG (for Android) • App permissions not granted • Faulty USB port • Borescope driver issue (for PC)	• Ensure the borescope is securely connected to the device/adapter. • Verify your Android device supports OTG. • Check app permissions in your device settings. • Try a different USB port or device. • For PC, ensure drivers are installed (usually automatic).
Image is blurry or unclear	• Dirty camera lens • Insufficient lighting • Object too close/far (fixed focus)	• Clean the camera lens gently with a soft cloth. • Adjust the LED brightness using the control wheel/button. • Move the camera closer or further from the object to find the optimal focal distance.
LED lights not working	• Brightness set to minimum • Connection issue	• Rotate the LED brightness adjustment wheel/button to increase brightness. • Ensure the borescope is properly connected and receiving power.
App crashes or freezes	• App compatibility issue • Insufficient device resources	• Try a different borescope application from the app store. • Close other background applications on your device. • Restart your device.

7. Specifications

- **Model:** FB6B

- **Item Model Number:** EP-212713BIG BOOM
- **Brand:** BIG BOOM
- **Camera Diameter:** 8mm
- **Cable Length:** 2 Meters
- **Connectivity:** USB (with Micro-USB adapter)
- **Compatibility:** Android devices (with OTG support), Windows PC, Mac PC
- **Waterproof Rating:** IP67 (for camera head only)
- **Adjustable Lighting:** Yes, built-in LED lights
- **Product Dimensions:** Approximately 15 x 5 x 10 cm (packaging/overall)
- **Included Components:** Case

8. Warranty and Support

This product comes with a standard manufacturer's warranty. For specific warranty terms, duration, or to claim warranty service, please refer to the documentation provided at the time of purchase or contact your seller directly. For technical support, troubleshooting assistance beyond this manual, or any product-related inquiries, please reach out to the BIG BOOM customer support team or your point of purchase.

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