



USER MANUAL

PART# FG0270

TABLE OF CONTENTS

- 1 INTRODUCTION**
- 2 SAFETY AND PRECAUTIONS**
- 3 PART IDENTIFICATION**
- 4 STORAGE AND CLEANING**
- 5 OPERATION INSTRUCTIONS**
- 6 SPECIFICATIONS**
- 7 WARRANTY**

1 INTRODUCTION

The Apollo Video Inspection System is designed specifically for video viewing and recording of air ducts, and similar spaces that are not accessible for direct inspection. The Apollo and its components have many other uses beyond video inspections. The body of this manual only covers their use in the air duct video inspection environment.

Apollo is the latest development in Air-Care's video inspection product line. Air-Care continues to create products that incorporate cutting edge technology.

Apollo offers the best image quality and lighting of any camera on the market. The ultra-wide angle lens and diffused, bright, white LEDs render a clear, color picture of the interior of the duct from just below the camera to the top of the duct, as well as a clear view downstream of the camera.

The insertion rods are 2.5 feet long with threaded ends and the electrical cable is 30 feet long. It comes with 10 rods for 25 feet of inspection length, with additional rods available. The camera head is small and streamlined to slide easily into metal, duct board or flex ducts and can be lowered down vertical runs, as well. Like the insertion rods, the electrical cable can be extended up to 150 feet with multiple extensions.

The color 720p camera is mounted into a durable, lightweight head that is mounted on a flexible spring. The 120° viewing angle will give you the ability to photograph and film through tight bends of the duct and out of corrugations in a flex duct. Simply pushing it forward and twisting the rods will free it from most obstructions.

Apollo comes with a 10.1" Android tablet for displaying photos and recording. The tablet has its own internal battery for up to 9 hours of recording and playback and can be used to show the customer the inspection as it happens or later, via email.

The camera, tablet, extension rods, accessories, cables, and charger fit into a stylish, convenient, case with internal foam protection. The complete system is lightweight and easy to store and operate.

2 SAFETY, PRECAUTIONS, STORAGE, AND CLEANING

- Read the manual before using the Apollo Video Inspection System.
- Avoid kinking or pulling on camera cable as this will cause irreversible damage.
- Never use the camera and/or cable as an unclogging tool, only to observe the condition of the duct interior, tool position and the cleaning progress.
- Always return the individual components to their designated storage areas when not in use.
- Clean the tablet screen with a microfiber cloth. All other pieces of the equipment should be cleaned with a clean, dry, cloth. Never use solvents or abrasive solutions

3 PARTS IDENTIFICATION

UNPACKING INSTRUCTIONS

Before removing items from the shipping box inspect for damage. If damage is found, please take photos and contact Air-Care for an RMA. Inspect all of the packing material for small parts before discarding packaging material. Any attempt at repairing damage may void the warranty.

10.1" Android Tablet



Camera Head



Apollo Case



Insertion Rods

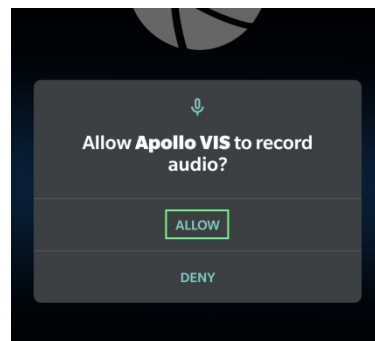
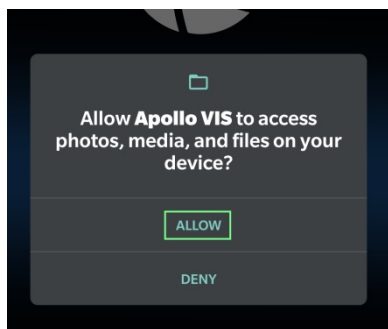


In the event that the app needs to be re-downloaded or installed on another device other than the included tablet, scan the following QR Code or click the following link: <https://www.air-care.com/apollo>



4 OPERATING INSTRUCTIONS

1. Open the Apollo case and remove the camera head and its 30 foot cable.
2. The camera head needs to be connected to the Wi-Fi dongle first. Split apart the USB connector and use the micro usb plug to plug in to the dongle.
3. The rods must be screwed together firmly so that they will not come unscrewed during the inspection. DO NOT OVER TIGHTEN.
4. Turn on the tablet; the Apollo application is pre-installed and can be found on the home screen.
5. Start the app on the tablet. Allow the following permissions, if necessary:

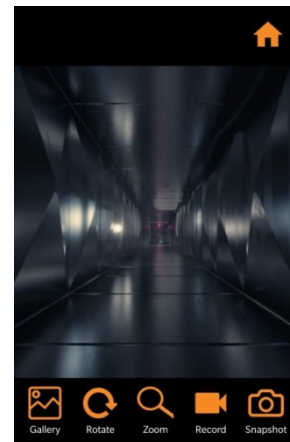


11. Once the permissions are accepted, the main screen will show. After accepting the permissions and physical camera connection prompt, the video view screen will be shown with various icons to explore.

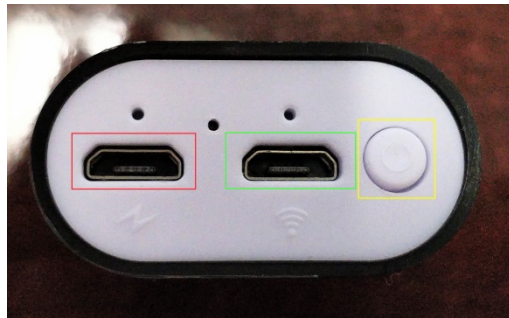
12. The "Gallery" icon allows you to view your snapshots and recorded videos. The "Rotate" icon allows you to rotate the video in real time.

The "Zoom" icon allows you to digitally zoom into the subject in question, up to two times.

The "Record" and "Snapshot" icons allow you to record video and take pictures. The "Home" icon, top right, will take you back to the main screen.

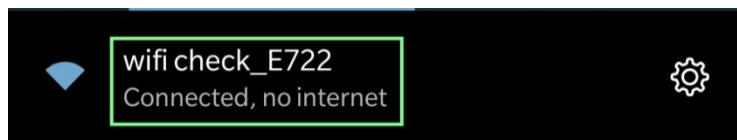


The Wi-Fi dongle has two inputs, one for charging and the other for the camera to plug in, as pictured below:



The RED outline indicates the charging port.
The GREEN outline indicates the camera port.
The YELLOW outline indicates the power button.

Connect the camera to the port outlined in GREEN.
Power on the Wi-Fi dongle and connect the tablet/phone to its Wi-Fi network, where “E722” is a unique identifier and can be either letters or numbers:



Open the app, if it's not already open and tap the Wireless Camera icon to connect.



13. Verify that you see an image from the camera before inserting the camera into the duct.
14. You can start the recording as you insert the camera or you can just view the video as the camera is inserted and record video or stills when you reach an interesting area you want to document.
15. For images, simply tap the "Snapshot" icon. A message will appear indicating a picture has been taken.
16. Verify that the inspection was recorded before packing up the camera by tapping the "Gallery" icon.
17. Clean off the camera head and store all of the parts in their assigned storage areas.

6 SPECIFICATIONS

Camera	
Color HD 720P 30 fps	
Viewing Angle	120°
Illumination	High Powered diffused white LEDs w/ brightness control
Operating temperature	20°F – 120°F (-6°C – 50°C)
Cable	
30 foot (10 m) heavy duty cable with 3 in 1 USB connector.	
Transmitter	
Camera Transmitter:	WLAN IEEE 802.11n
Local WI-FI	Distance: 5-30M
Tablet	
10.1" Android Tablet	Includes Apollo/ Air-Care software app to display, and record video and images. Download the free Apollo app from the Play Store. App will allow you to rotate image / video and zoom x2 magnification.
Internal Power Supply	
USB camera operated on 5 VDC supplied by USB, Micro-USB, or USB Type-C connection. Wi-Fi dongle contains rechargeable 800mAh battery. Charge via 5 VDC power.	



7 WARRANTY



LIMITED WARRANTY

AIR-CARE WARRANTS THIS PRODUCT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP TO THE ORIGINAL PURCHASER FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF PURCHASE. COMPONENTS LISTED BELOW ARE EXCLUDED FROM THIS ONE YEAR PERIOD AND ARE COVERED FOR PERIODS DESCRIBED BELOW:

TABLET	90 DAYS
INSERTION RODS	90 DAYS

WARRANTY COVERS BOTH PARTS AND LABOR (LABOR IS TO BE PERFORMED AT AIR-CARE'S FACILITY LOCATED IN LAS VEGAS, NEVADA).

WARRANTY IS EXTENDED TO THE ORIGINAL PURCHASER AND IS NOT TRANSFERRABLE.

THIS WARRANTY DOES NOT EXTEND TO ANY DAMAGE TO A PRODUCT CAUSED BY OR ATTRIBUTABLE TO FREIGHT DAMAGE, ABUSE, MISUSE, IMPROPER OR ABNORMAL USAGE. WARRANTY IS ALSO VOID IF THE PRODUCT HAS BEEN MODIFIED OR ALTERED IN ANY WAY.

THE PURCHASER IS RESPONSIBLE FOR THE COST OF SHIPPING THE EQUIPMENT TO AIR-CARE'S FACILITY FOR EVALUATION. IF FOUND TO BE DEFECTIVE AND COVERED BY THE TERMS OF THIS WARRANTY, AIR-CARE WILL PAY FEDEX GROUND SHIPPING CHARGES ON THE REPAIRED OR REPLACED ITEM BACK TO THE PURCHASER'S LOCATION. ANY ADDITIONAL EXPEDITED SERVICE CHARGES FOR QUICKER SHIPPING SHALL BE BORNE BY THE PURCHASER. IF THE PRODUCT OR COMPONENT IS NOT FOUND TO BE A WARRANTY ISSUE, THE PURCHASER WILL BE RESPONSIBLE FOR RETURN SHIPPING CHARGES.

AIR-CARE IS NOT RESPONSIBLE OR LIABLE FOR INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF PERFORMANCE OF THE PRODUCT; DAMAGES WITH RESPECT TO ANY ECONOMIC LOSS, LOSS OF PROPERTY, LOSS OF REVENUES OR PROFITS, LOSS OF USE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES OF WHATSOEVER NATURE.

THE WARRANTY EXTENDED HEREUNDER IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, AND ANY IMPLIED WARRANTIES OF ANY TYPE.

THIS WARRANTY GIVES YOU SPECIFIC RIGHTS. THESE RIGHTS AND OTHERS VARY FROM STATE TO STATE.