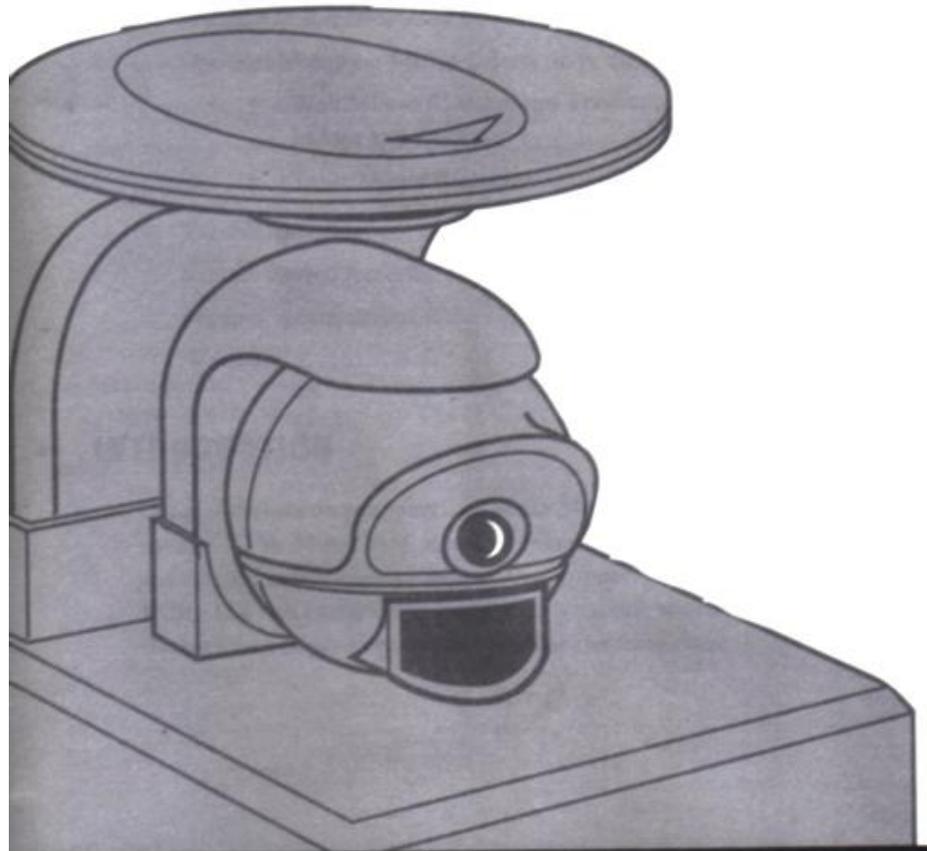


**PHILIPS** **MAGNAVOX**

**MultiCAM PM61762**

*home safety ADD-ON wireless camera*



Installation Instructions

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## INTRODUCTION

Congratulations on your purchase of the MultiCAM home safety add-on camera. The MultiCAM is a convenient, all-in-one 2.4GHz wireless audio/video safety camera system that connects to your television or VCR. Use this camera to monitor a baby's room, watch the kids play in the backyard or pool or monitor who's at the front door.

## IMPORTANT SAFETY INSTRUCTIONS

1. **Read these instructions** – All the safety and operating instructions should be read before the product is operated.
2. **Keep these instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed all warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow all instructions** – All operating and use instructions should be followed.
5. **Do not use the transmitter or camera near water** – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool, etc.
6. **Clean only with a damp cloth.**
7. **Do not defeat the safety purpose** of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
8. **Only use attachments/accessories** specified by the manufacturer.
9. **Refer all servicing to qualified** service personnel.

## CONTENTS

After unpacking the components and accessories, please check and identify all of the parts before proceeding with the installation. Your new camera includes the following parts:



Camera



Transmitter



AC Power Adapter



Portable  
MultICAM Base



Camera Wall  
Mount Bracket



Camera Tabletop Stand



Transmitter Wall  
Mount Bracket



Mounting  
Assembly Kit

## PRODUCT FEATURES

- This compact, durable, weather resistant, black and white camera includes infrared night vision and a built-in microphone that transmits sound from camera location to your television/VCR. The camera pans and tilts for precise positioning.
- The camera includes audio enhancers to provide true, undistorted sound.
- Camera design incorporates Adaptive Sensitivity Control to enhance transmission in low lighting environments (night vision).
- Transmitter mounts in the portable base or in the more permanent wall mount (included). Its patented directional antenna rotates for optimum positioning for clear transmission.
- Four independent channels on the transmitter and receiver allow for selection of camera switching.

## MULTICAM STAND/BASE ASSEMBLY AND USE

### *Complete assembly of camera & transmitter in base.*



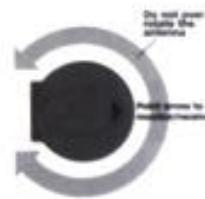
The unique wireless design of the MultiCAM can be used with the base or mounted using either mounting options (see pages 6-7). This allows it to be moved freely and to be placed on any flat surface or on the more permanent wall mount bracket.

The stand/base is assembled with the camera and transmitter. The camera and transmitter can be removed from the base for other mounting options. Follow these steps to complete assembly of the camera and transmitter to the base

1. Position MultiCAM camera over pins located at the front of the base.
2. Insert excess wire into the base leaving approximately 3" of wire and the connector exposed to allow connection to the transmitter.
3. Plug DIN video connector from the camera into the 6 pin jack on the transmitter with arrow on the transmitter connector facing up.



4. Slide transmitter firmly into base. The transmitter can face front or rear depending on the location of your receiver and desired reception.
5. Plug the AC power adapter into any 120V electrical outlet.
6. Position camera so that it points at desired area. The camera pans and tilts for precise positioning.
7. Position the transmitter for optimum picture. To position transmitter, locate the arrow on the top of the transmitter antenna and rotate it to point at the receiver, fine tuning the adjustment/position for desired reception.



**CAUTION:** When rotating antenna do not force antenna beyond its lock position.

Your stand/base assembly with camera and transmitter is now complete, however, you can chose other mounting options (see below).

### Adding Additional Cameras

To connect additional cameras to your MultiCam System

1. Follow instructions for the MultiCAM Stand/ Base assembly on page 4 or mounting options on page 6-8.
2. When adding more than one camera/transmitter to your existing MultiCAM Receiver, the channel settings on the receiver must match each individual camera/transmitter setting.

Example - A single camera installation transmitter set to channel 1; receiver set to channel 1



- Two camera installation first camera/transmitter set to channel 1, second camera/transmitter set to channel 2. Receiver set to channel 1 & 2



Therefore, the receiver will have channels one and two in the on position (down)

Adding a third and fourth camera will again require matching channels on the transmitter and receiver.

## MOUNTING OPTIONS

### Wall Mounting - Camera

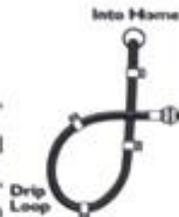
The MultiCAM is constructed of UV resistant ABS plastic allowing for indoor or outdoor use. To mount your camera to a wall use the camera wall mount bracket and mounting assembly kit.

1. Secure the wall bracket to a convenient spot where the camera can view the desired area. Using the holes in the mounting surface of the bracket as a template, mark the position of the holes to be drilled. For drywall or other composite surfaces use a 7/32" drill bit, drill a hole for each of the mounting screws and insert a plastic wall plug into each hole. For stud or other solid surface use a 1/16" drill bit, drill



a pilot hole for each of the mounting screws.

**NOTE:** If the camera is being mounted outside, a 5/8" hole needs to be drilled for the DIN plug to feed through to the transmitter. If mounting outdoors, make sure you form a drip loop to prevent water from running into the transmitter.



2. Route the video wire through the slot in the camera mount base and slide the camera up and onto the wall-mounting bracket.
3. Secure the camera to the mounting surface.
4. Position the camera to view desired area.
5. Plug the 6 pin DIN connector into the transmitter.
6. Plug the transmitter into a 120V electrical outlet and orient the transmitter antenna to point toward the receiver.

The camera can be removed from the wall mount bracket by pushing tab back with a flat head screwdriver and feeding wire out through the bracket slot after disconnecting it from the transmitter.

**CAUTION:** Make sure that the camera never points into direct sunlight or bright lights, this could damage the camera sensor.

### Optional Desk/Tabletop Stand

An optional desk/tabletop stand is provided to allow use of the camera in any convenient location.

1. Feed the DIN plug through the base of the stand.
2. Position the MultiCAM over the pins on the stand aligning the holes at the bottom of the camera and gently push down. Camera is now secure in the stand.



### Wall Mounting - Transmitter

The transmitter can be mounted to a wall bracket.

1. Secure the wall bracket to a convenient spot about 6 to 7 feet high and near a power outlet. Best results will be achieved with the bracket facing the receiver. (Mounting screws are provided for this assembly.) Using the holes in the mounting surface of the bracket as a template, mark the position of the holes to be drilled. For drywall or other composite surfaces use a  $7/32$ " drill bit, drill a hole for each of the mounting screws and insert a plastic wall plug into each hole. For stud or other solid surface use a  $1/16$ " drill bit, drill a pilot hole for each of the mounting screws.



2. Select the channel on the switch at the base of the unit by pushing down on the switch.



3. Secure the transmitter to the mounting bracket by snapping in.



4. Plug the 6 pin DIN camera connector into the jack on the transmitter. (This connection supplies power to the camera and the microphone while allowing the video and audio signals to come back to the transmitter.)

5. Plug the transmitter power adapter into the power jack on the transmitter and plug the power adapter into a 120V electrical outlet.

6. Point the transmitter antenna toward the receiver (see page 6).

To remove the transmitter from the wall mount bracket, use a flat head screwdriver to lift the bracket tab away from the transmitter. Pull the transmitter away from the bracket from the **TOP**. Avoid pulling the unit from the bracket at the bottom.

Note: It is suggested that you select the transmitter channel switch prior to wall mounting the transmitter (see #2 above).

## TROUBLE SHOOTING

### Reception/Interference

1. The 2.4GHz video signals pass easily through your home's interior walls, but the signal may be reflected by power wires or plumbing inside the wall. Usually a slight adjustment of the receiver and/or transmitter antenna will improve the reception. The most common source of interference is microwave ovens. Try to avoid placing the monitor/receiver near a microwave oven or other source of radio frequency interference.
2. Should you encounter interference on Channel 1, you can switch the transmitter and receiver to other channels for improved reception. Remember the channel transmitter switch and the receiver switch numbers must match.
3. If mounting the transmitter to the wall, it is suggested that the transmitter be mounted no less than 6 feet high for best reception.

## RECOMMENDED ACCESSORIES FOR YOUR MultiCAM SYSTEM (NOT INCLUDED)

### NiMH Battery Pack PM61758

Removable, rechargeable NiMH battery pack makes the unit truly portable and wireless. This will allow you to monitor activities in different locations in and around your home.



9.6V NiMH Battery Pack

### THE BATTERY PACK MUST BE FULLY CHARGED FOR 24 HOURS BEFORE INDEPENDENT USE.

To use the optional battery pack, slide it into the base until you feel it click into place. To charge the battery pack, plug the AC adapter into the battery pack and to an electrical outlet. A red light will indicate that



the battery pack is plugged in and is charging. Make sure that the switch is turned off when charging for the first time.

When the AC Adapter is unplugged, the red light will turn off. After the initial charge, the battery will trickle charge when the AC adapter is plugged in. When the unit is not being used with the battery pack, turn the switch off to conserve battery life. The green light indicates that the camera is transmitting and using battery power. To remove the battery pack from the base, disconnect wires and press down on the tab located on the bottom of the base.

## PRODUCT SPECIFICATIONS

<b>Camera</b>	TV System	EIA Standard
	Integrated lens	3.6mm, F2.0 fixed focus
	Resolution	300 horizontal TV lines
	Signal/Noise Ratio	48dB
	High Speed/Electronic Shutter	1/60-1/15,000 sec
	Image Sensor	1/3" CMOS
	Min. Illumination	1 lux
	Night Vision	8 X High Power IR LED's -ASC
	Current Consumption	120 mA
	Overall Size	2.3"W x 2.75"H x 3"D
Case Finish	Black UV resistant ABS plastic, suited for outdoor or indoor use	
<b>Transmitter</b>	Frequency Range	2.4-2.49 GHz
	Current Consumption	140 mA
	Modulation	FM
	Video Signal/Noise Ratio	48dB
	Audio Signal/Noise Ratio	45dB
Channel Selection	Electronic Tuning with PLL	
<b>General</b>	Operating temperature	-10°C to +40°C, 14°F to 104°F
	Humidity	Less than 85%

### ***Approvals***

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.

### ***FCC Approved***

### ***90 Day Warranty***

This product is manufactured to Philips Magnavox specifications and is free from defects in material, workmanship and assembly. This warranty extends only to the original purchaser and is non-transferable. Should a defect occur under normal operating conditions within 90 days from the date of purchase, Philips Magnavox will provide a comparable replacement free of charge within the warranty period, to the original purchaser. Defective product must be returned, with the dated proof of purchase, to the place of purchase for replacement.

This warranty does not extend to the product if it has been damaged or rendered defective as a result of accident, misuse, abuse, tampering with or modification. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL PHILIPS MAGNAVOX BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER IN CONTRACT, TORT OR NEGLIGENCE. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some States do not allow exclusion or limitation of incidental or **consequential damages**, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may also have other rights, which vary from State to State.

Specifications subject to change without notice.

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