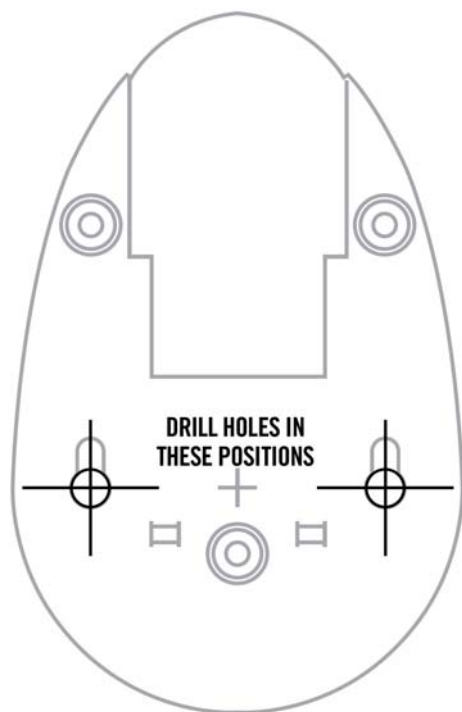## Drilling Template for Wall Mounting Camera(s) ///

For wall-mounting camera(s), drill two holes using a 1/4" drill bit and the template below.

Insert supplied wall anchors into holes and secure camera to wall with supplied screws.

DRILL HOLES IN
THESE POSITIONS

2.4 GHz Wireless Color Palm Baby Monitor System

➜ Includes: Color Video/Audio Camera & Palm Monitor

PALM MONITOR SYSTEM **USERS GUIDE**

Congratulations on your purchase of the 2.4 Ghz Wireless Color Palm Baby Monitor System(WPBMS). The WPBMS consists of a wireless palm LCD monitor and a wireless color day & night BabyCam. An ideal product for watching the baby, elder or patient.

Features ///

- 2.4GHz wireless technology
- Supports up to 3 cameras
- LCD display can work with 3 modes: Scan, Auto & Manual
- Adjustable cycle time between cameras in Auto mode
- Rotatable LCD screen panel for better view angle
- The Brightness, Color, Contrast, Alarm volume & Audio volume can be adjusted
- Output port connecting to TV/VCR
- Plug & play installation
- Both Palm LCD monitor & BabyCam can be wall or table mounting

System Contents ///

Identify all parts before proceeding with installation.

CAMERA   MONITOR   MOUNTING BRACKET   MOUNTING HARDWARE   MONITOR ADAPTER   CAMERA ADAPTER   ADAPTER CABLE

Things to Consider before Installation ///

For best performance, follow these simple guidelines:
- The camera should be aimed accordingly to optimize viewing area.
- For best transmission, avoid installations where there are thick walls or major obstructions between the camera and receiver.

Installing the Camera (Transmitter) ///

1. Unpack the camera.
2. Decide on wall or desk mounting the camera. If wall mounting, there is a useful guide on the back cover of the instructions, and the rechargeable battery pack should not be used then. The camera head can be rotatable for ideal or required position.

DESK/TABLE TOP   WALL MOUNTED

Monitor (Receiver)

Frequency Range	2.41~2.47GHz
Signal/Noise Ratio	38dB
Current Consumption	320mA
Channel Selection	Electronic tuning with PLL
Overall Size	2.98″W * 4.65″H * 1.83″D
	75mmW * 118mmH * 46mmD

Battery Life

Alkaline Battery
(optional for palm monitor)   Approx. 4 hrs. Continuous
Rechargeable battery pack
(optional for baby camera)   Approx. 4 hrs. Continuous

General

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 two conditions:
- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

CE directive 95/5/EC, EMC directive 89/336/EEC, LV directive 73/23/EEC. This class B digital apparatus complies with Canadian ICES-003.
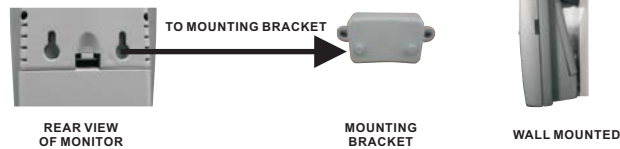
Warranty ///

This product has a one year manufacturer's warranty which covers parts and labor only.

2. Turn on the palm monitor by pressing the power button.
3. If running with TV/VCR, connect one end of the cable to the rear of the monitor, the other end to your TV/VCR's A/V inputs, the yellow plug to the VIDEO IN jack and the white plug to the AUDIO IN jack.

DIP SWITCH

POWER JACK

A/V OUTPUT

TO MONITOR A/V OUTPUT

TO TV/VCR INPUT JACK

4. If wall mounting, install the bracket onto the wall, and mount the monitor to the bracket.

TO MOUNTING BRACKET

REAR VIEW
OF MONITOR

MOUNTING
BRACKET

WALL MOUNTED

5. The monitor (receiver) setting is now complete.

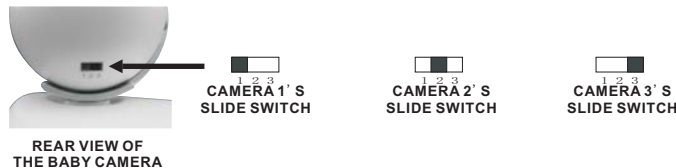## Optimizing the Wireless Palm Baby Monitor System ///

The 2.4 GHz video signals pass easily through your home's interior walls, but the signal may be reflected by power wire or plumbing inside the wall. The most common sources of interference are microwave ovens. Try to avoid mounting the palm monitor near a microwave oven or other source of RF interference such as cordless phones.
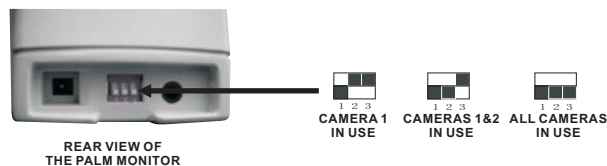
Multi-Camera Operation ///

Our 2.4 GHz Wireless Palm Baby Monitor System is designed to work with up to 3 cameras. Additional cameras are sold separately.

Important:

When using more than one camera, make sure each camera is assigned to a specific channel by adjusting the corresponding SLIDE SWITCH to position 1,2 or 3.

1 2 3
CAMERA 1'S
SLIDE SWITCH

1 2 3
CAMERA 2'S
SLIDE SWITCH

1 2 3
CAMERA 3'S
SLIDE SWITCH

REAR VIEW OF
THE BABY CAMERA

Accordingly the DIP SWITCH located on the rear of the palm monitor should be adjusted to reflect the channel in use.

1 2 3
CAMERA 1
IN USE

1 2 3
CAMERAS 1&2
IN USE

1 2 3
ALL CAMERAS
IN USE

REAR VIEW OF
THE PALM MONITOR

Monitor Functions ///

SCAN

MANUAL
POWER

AUTO

+
MENU
−

ALARM
VOLUME

VOLUME

1-**Power**
Press to turn the palm monitor **ON/OFF**
The built-in **LED** of the **POWER** button may flash to indicate low battery

2-**Manual**
To select a specific camera to palm monitor, press the **MANUAL** button. The palm monitor will switch to a different camera each time the **MANUAL** button is pressed. To avoid searching channels that do not have cameras assigned to them, set the **DIP SWITCHES** (located on the rear of panel of palm monitor) for those corresponding channels up to the **OFF** position.

3-**Auto**
Pressing the **AUTO** button places the system in auto mode. In this mode, the system automatically rotates through all active cameras. When sound is above the pre-set sound trigger level of the baby camera, the palm monitor will display the picture from the camera for a few seconds, and the beeper alarm will sound. To avoid searching channels that do not have cameras/transmitters assigned to them, set the **DIP SWITCH** (located on the rear panel of the palm monitor) for those corresponding channels up to the **OFF** position.
The dwell time (time taken to switch between cameras) is preset to 4 seconds and can be adjusted between 2~30 seconds. To adjust the dwell time, press both the AUTO & MANUAL buttons simultaneously. Each flash of the LED increases the dwell time by one second.

4-**Scan**
Pressing the **SCAN** button places the system in scan mode. The palm monitor screen blanks into standby mode within the system continuously scans active cameras. If sound is detected above the pre-set sound trigger level of the baby camera, the palm monitor displays the camera picture and the beeper will sound. Two minutes after the last detection, the screen returns to standby/scan mode and the palm monitor resumes scanning. Pressing the **MANUAL** or **AUTO** button will cancel this mode.

5-**Volume**
The audio volume of the palm monitor can be adjusted by tuning the **VOLUME** tuner on the right side of the palm monitor.

6-**Alarm Volume**
The alarm volume of the palm monitor can be adjusted by tuning the **ALARM VOLUME** tuner on the left side of the palm monitor.

7-**Menu**
Pressing **MENU** button on the left side of the palm monitor:
LED on, adjust BRIGHTNESS +/-
LED flashing, adjust COLOR +/-
LED off, adjust CONTRAST +/-

Trouble Shooting ///

If you are having trouble operating this product, please consult the guide below:

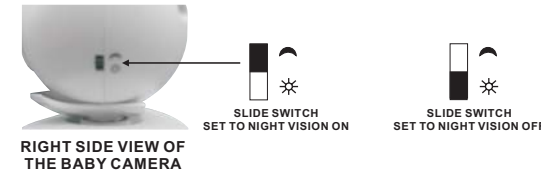| SYMPTOM	REMEDIES
No Camera Picture	1- Check all connectors. Make sure camera(s) and palm monitor are switched ON. 2- Ensure camera(s) & palm monitor are set to correct channel(s). 3- Make sure camera is within range of palm monitor.
Blank Monitor	1- Make sure the palm monitor is switched ON. 2- If using AC adapter, make sure it is plugged in. 3- Make sure all batteries are placed in right direction and have battery life.
Interference on Camera Picture	1- Make sure each camera (transmitter) is within the range, and that no large obstructions are locking the signal. 2- Try repositioning the camera, palm monitor or both to improve the reception quality. 3- Reposition other nearby equipment transmitting on 2.4 GHz frequency.
Audio problems	1- Ensure the volume is turned up sufficiently on the palm monitor. 2- Make sure the sound is within the microphone range. 3- If the unit emits a loud wailing sound (feeds back), try moving the camera away from the palm monitor or angle the palm monitor differently.

Specification ///

Camera(Transmitter)

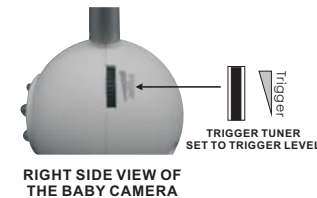|	
TV System	PAL or NTSC standard
Integrated Lens	5.6mm, fixed focus
Resolution	360 horizontal TV lines
Signal/Noise Ratio	48dB
Image Sensor	1/3″ CMOS
Min. Illumination	0.1 lux
Current Consumption	150mA
Frequency Range	2.41~2.47 GHz
Modulation	FM
Channel Selection	Electronic tuning with PLL
Overall Size	3.75″W * 4.25″H * 2.45″D 95mmW * 107mmH * 62mmD

3. If using the 9V camera AC adapter, just connect power jack, and make sure the camera is positioned no more than 5.5 feet from the AC power outlet.

4. To get the best performance from the camera, please follow these guidelines.

   For the best performance, mount the camera between 2.5 and 4 meters above the detected area.
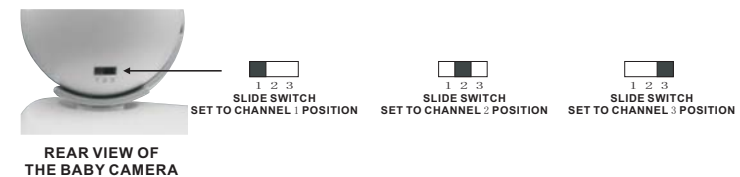
   Built-in IR sources (8 LEDs) provide short night vision. For day use, please turn off the LEDs by sliding the NIGHT VISION SWITCH (on the right side of camera head) to the OFF position.

SLIDE SWITCH
SET TO NIGHT VISION ON

SLIDE SWITCH
SET TO NIGHT VISION OFF

RIGHT SIDE VIEW OF
THE BABY CAMERA

To avoid problems with false sound trigger, adjust the sound trigger level by tuning the TRIGGER LEVEL TUNER (on the right side of camera head).

Trigger

TRIGGER TUNER
SET TO TRIGGER LEVEL

RIGHT SIDE VIEW OF
THE BABY CAMERA

5. Select the transmission channel on the SLIDE SWITCH (on rear of the camera head) by sliding switch to position 1,2 or 3. Camera is preset to the channel 1.

1 2 3
SLIDE SWITCH
SET TO CHANNEL 1 POSITION

1 2 3
SLIDE SWITCH
SET TO CHANNEL 2 POSITION

1 2 3
SLIDE SWITCH
SET TO CHANNEL 3 POSITION

REAR VIEW OF
THE BABY CAMERA

6. The camera (transmitter) installation is now complete.

Installing the Palm LCD Monitor (Receiver) ///

1. Plug the palm monitor AC adapter into the 6V DC power jack on rear of the receiver.

PALM MONITOR
POWER SUPPLY

POWER JACK

A/V OUTPUT

TO PALM MONITOR
POWER JACK

DIP SWITCH