

**WILLCARE**

Baby Monitor



**User Manual**

Models: DBM-35P/DBM-35B

## Catalog

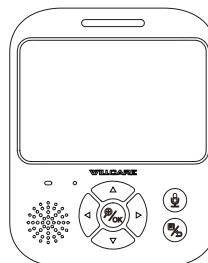
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## 1. Safety Instructions

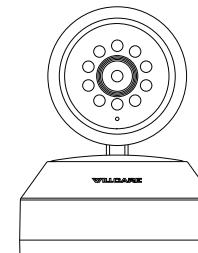
- STRANGULATION HAZARD - Children have STRANGLED in cords. Keep this cord out of the reach of children.
- NEVER PLACE THE CAMERA OR CORD IN OR NEAR CRIB OR PLAYPEN. Secure the cord away from the crib or playpen.
- CHOKING HAZARD - This product contains small parts which may cause choking.
- SHOCK WARNING - To prevent electric shock, NEVER use the transmitter or receiver near water, including near a bathtub, sink, laundry tub, wet basement, etc.
- Use only the USB DC adapters provided.
- Adult assembly is required. Keep small parts away from children when assembling.
- This product is not a toy. Do not allow children to play with it.
- This product is NOT intended to replace proper adult supervision of children.
- You MUST check your child's activity regularly, as this product will not alert parents to silent activities of a child.
- Before using this product, read and follow all instructions and warnings contained in this booklet.
- This product is intended for indoor use only.
- This product is not intended for use as a medical monitor and its use should not replace adult supervision.
- Test monitor before use and after changing camera location. Check reception regularly. Obstacles, such as concrete walls, may shorten the wireless signal transfer range.
- Always unplug USB DC adapters from wall outlets and power sources during periods of non-use.
- Do not touch the plug contacts with sharp or metal objects.

## 2. Overview

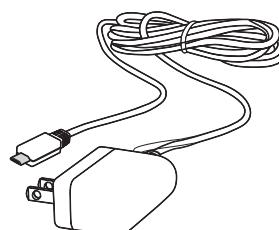
### 2.1 Components



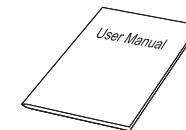
Monitor/Parent Unit



Camera/Baby Unit



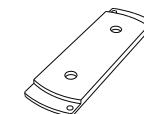
2x Power Adapter



User Manual

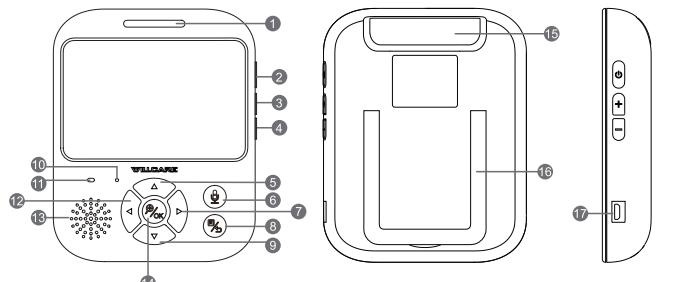


Screws and Anchors

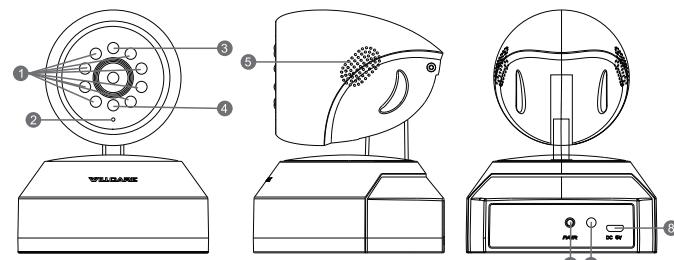


Wall-Mounted Shim

## 2.2 Product Overview



1. Volume Level LED Indicator      7. RIGHT Button      13. Speaker  
 2. Power ON/OFF/SLEEP Button      8. MENU/BACK Button      14. ZOOM/OK Button  
 3. Volume +      9. DOWN Button      15. Antenna  
 4. Volume -      10. Microphone      16. Stand  
 5. UP Button      11. Power LED Indicator      17. USB DC Jack  
 6. TALK Button      12. LEFT Button



## 2.3 Menu Options

### Status Indication Overview (Upper Screen Bar)

| Icon                            | Description                            | Options |
|---------------------------------|--|---------|
| Signal Strength Indicator       | 4 levels                               |         |
| Camera Selected                 | cam1/cam2/cam3/cam4/scan (x)           |         |
| Sound Level                     | 4 levels                               |         |
| Night Vision                    | (on/off)                               |         |
| Zoom                            | (on/off)                               |         |
| Lullaby Selected                | (OFF/1/2/3/4/scan)                     |         |
| Talk-Back                       | (on/off)                               |         |
| VOX                             | (on/off)                               |         |
| Current Camera Unit Temperature | 1-36°C / 34-97°F                       |         |
| Battery Power                   | 3 levels or flashing red (low battery) |         |

### Menu Options Overview (Lower Screen Bar)

| Icon                | Description                       | Options |
|---------------------|-----------------------------------|---------|
| Screen Brightness   | 5 levels                          |         |
| Alarm Setting       | OFF, 0:30, 1:00, 2:00, 3:00, 4:00 |         |
| Lullaby Selected    | OFF, 1, 2, 3, 4, scan             |         |
| Temperature Setting | °C / °F                           |         |
| Camera Options      | Scan, View, Add, Del              |         |
| VOX                 | OFF, ON                           |         |

### 3. Getting Started

#### 3.1 Powering Camera/Baby Unit

1. Connect the Camera Power Adapter to the Camera/Baby Unit. The Power LED light on the Camera/Baby Unit will illuminate green.
2. Position your Camera/Baby Unit away from your baby's crib. Ensure the power cord is not within reach of you baby.

**NOTE**

Only use the Camera Power adapter provided.

#### 3.2 Wall Mounting Camera/Baby Unit

Before installation, check the reception and camera positioning of the location you intend to mount the camera by holding it to the wall. Ensure the desired location is away from your baby's crib.

1. Locate the Wall-Mounted Shim following the Tip Icon (↑) and insert 2 screws into the wall through the hole in the shim. If it is loose, you may need to tighten it more.
2. Connect the Camera Power Adapter to the Camera.
3. Locate the bottom of the Camera/Baby Unit and slide the button over the shim sticking out of the wall.
4. Check to see that the Camera/Baby Unit is secure. If it is loose, you may need to tighten the screw more.
5. Use wall clips (not included) to secure the power cord away from the crib or baby's reach.

#### 3.3 Charging and Powering the Monitor/Parent Unit

For best results, charge the Monitor/Parent Unit before use. After the initial charge, recharge normally as required. The Monitor/Parent Unit can be operated normally with power adapter plugged into the unit with the battery installed.

1. Plug the USB Adapter into the electrical outlet. Connect the small end of USB Power Cable to the USB DC Jack of the Monitor/Parent Unit. The Power LED Indicator will illuminate green.
2. Press and hold the ⌂ POWER ON/OFF/SLEEP button

for 2 seconds to turn ON the Monitor/Parent Unit. The POWER LED indicator will illuminate green to indicate the unit is ON.

3. Once both the Camera/Baby Unit and Monitor/Parent Unit are switched on. The display on the Monitor/Parent Unit will show the video captured by the Camera/Baby Unit.
4. If there is no connection or you are out of range, the video display will go off and the screen WARNING: Out of signal coverage will be shown on the IPS display. The unit will also beep rapidly. Move the Monitor/Parent Unit closer to the Camera/Baby Unit until the link is re-established.
5. Press and hold the ⌂ POWER ON/OFF/SLEEP button, to turn OFF the Monitor/Parent Unit.

**NOTE**

The  battery icon turns red on the IPS screen to indicate that the battery is low, and it gives a beep periodically. The battery needs to be recharged. Full charging the battery takes about 4 hours.

#### When Charging

1. During power OFF, when adapter is plugged in, the Power LED Indicator will illuminate red to indicate charging, then turn off to indicate that the battery is fully charged.
2. During power ON, when adapter is plugged in, the  battery icon on screen's top right corner will show that the battery is charging. The Power LED Indicator will also illuminate red to indicate charging, then turn green to indicate that the battery is fully charged.

**NOTE**

You can use the Monitor/Parent Unit while it is being charged.

#### 3.4 Registration (Pairing)

The Camera/Baby Unit is pre-registered to your Monitor/Parent Unit. You don't need to register it again unless the

Camera/Baby Unit loses its link with the Monitor/Parent Unit. To re-register your Camera/Baby Unit, or register a new Camera/Baby Unit, follow the procedure below:

1. Press the  MENU button of the Monitor/Parent Unit and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  Cam icon is highlighted.
3. Press the  UP button or  DOWN button until ADD icon is highlighted and press the  OK button.
4. Press the  UP button or  DOWN button to select the desired CAM and press the  OK button to start searching for a Camera/Baby Unit. The screen will show "Press PAIR on the Cam".
5. Press and hold the PAIR key on the Camera/Baby Unit for at least 3 seconds. The screen will start to transmit video.
6. If unsuccessful, "pair failed" will be displayed on the screen. Please attempt to pair again.

### 3.5 Temperature Scale Display Setting

The temperature reading from the temperature sensor at the back of the Camera/Baby Unit will be displayed on the top of the screen. To toggle between °C and °F:

1. Press the  MENU button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  icon is highlighted.
3. Press the  UP button or  DOWN button to select the desired temperature scale.
4. Check that the temperature display reading on the screen has changed to your desired scale. If not, repeat steps 1-3.

## 4. Using the Willcare DBM-35 Baby Monitor

### 4.1 Set UP

Place the Camera/Baby Unit in a convenient location (e.g. on a table or a shelf) and point the camera toward the area you want to monitor.

#### NOTE

Do not place the Monitor/Parent Unit within baby's reach. If there is interference with the picture or sound, try moving the unit to different locations and ensure they are not close to other electrical equipment.

### 4.2 Pan and Tilt

The Camera/Baby Unit can be remotely controlled from the Monitor/Parent Unit.

1. Press  UP button or  DOWN button to tilt upward or downward.
2. Press the  LEFT button or  RIGHT button to pan left or right.
3. LEFT and RIGHT angle is 355°, UP and DOWN angle is 105°.

### 4.3 Night Vision Mode

The Camera/baby Unit has 8 high-intensity infrared LEDs for picking up clear images in the dark. When the built-in photo sensor detects a low level of ambient light, the LEDs will automatically activate and the screen on the Monitor/Parent Unit will display in the black and white. The  icon will be displayed on the screen.

### 4.4 Talk Mode

Press and hold the  TALK button on the Monitor/Parent Unit to talk to your baby through the Camera/Baby Unit's

loudspeaker. A  icon will be displayed at the top of the IPS screen.

#### **4.5 Sleep Mode / Audio Only Mode (Video OFF with Audio ON)**

Short press the  POWER ON/OFF/SLEEP button to turn the IPS screen OFF while keeping the audio ON. This mode conserves power. Short press the  POWER ON/OFF/SLEEP button to turn screen back on.

### **5. DBM-35 Monitor/Parent Unit Menu Options**

#### **5.1 Volume**

Press the  VOLUME+ button or  VOLUME- button to select the desired volume level from level 1~5. Level 0 is mute.

#### **5.2 Brightness**

1. Press the  MENU button and the menu bar will pop up.
2. The  Brightness icon is highlighted. Press the  UP button or  DOWN button to select the desired brightness level from level 1~5.

#### **5.3 VOX**

This sets power saving for the screen to turn off automatically when Camera/Baby Unit side sound is low than 60db.

1. Press the  MENU button and the menu bar will pop up.
2. Press the  RIGHT button until VOX icon is highlighted.
3. Press the  UP button or  DOWN button to select ON or OFF.

#### **5.4 Digital Zoom**

This product offers digital zoom. Press the  ZOOM/OK Button to select desired digital zoom 1X or 2X. (Default setting is 1X)

#### **5.5 Alarm**

1. Press the  MENU button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  Alarm icon is highlighted.
3. Press the  UP button or  DOWN button to select the desired time from 0.5h, 1h, 2h, 3h, 4h and OFF. (The default setting is OFF)

#### **5.6 Lullaby Playing**

1. Press the  MENU button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  Lullaby icon is highlighted.
3. Press the  UP button or  DOWN button to select the desired lullaby from 1, 2, 3, 4, scan and OFF. (The default setting is OFF)

#### **5.7 Temperature Setting**

1. Press the  MENU button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until the  Temperature icon is highlighted.
3. Press the  UP button or  DOWN button to select the desired temperature unit. (The default setting is °F)

## 5.8 Camera Control

### 5.8.1 Delete a camera

1. Press the  MENU button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  Cam icon is highlighted, and the Scan/View/Add/Del menu will pop up.
3. Press the  UP button or  DOWN button to select the **Del** icon and press the  OK button to confirm.
4. **CAM 1 / CAM 2 / CAM 3 / CAM 4** will pop up, press the  UP button or  DOWN button to select the desired CAM and press the  OK button to delete that registration on your Monitor/Parent Unit.

#### NOTE

A CAM channel needs to be deleted before pairing to a new Camera/Baby Unit.

### 5.8.2 Add (pair) a camera

1. Press the  MENU button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  Cam icon is highlighted, and the Scan/View/Add/Del menu will pop up.
3. Press the  UP button or  DOWN button to select the **Add** icon and press the  OK button to confirm.
4. **CAM 1 / CAM 2 / CAM 3 / CAM 4** will pop up, press the  UP button or  DOWN button to select the desired CAM and press the  OK button to searching for a Camera/Baby Unit.
5. Press and hold the PAIR key underneath the Camera/Baby Unit for at least 3 seconds. The screen will start to transmit video.

6. If unsuccessful, "pair failed" will be displayed on the screen. Please delete the camera channel as per 5.8.1, and attempt to pair again.

#### NOTE

A Camera/Baby Unit can only be registered to one Monitor/Baby Unit at any one time.

### 5.8.3 View a camera

1. Press the  MENU button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  Cam icon is highlighted, and the Scan/View/Add/Del menu will pop up.
3. Press the  UP button or  DOWN button to select the **View** icon and press the  OK button to confirm.
4. **CAM 1 / CAM 2 / CAM 3 / CAM 4** will pop up, press the  UP button or  DOWN button to select the desired CAM and press the  OK button to view selected CAM.

### 5.8.4 Scan camera

This function automatically cycles through your paired camera channels to display each camera for 10 seconds. This function is only useful if you have more than 1 Camera/Baby Unit paired.

1. Press the  MENU button and the menu bar will pop up.
2. Press the  LEFT button or  RIGHT button until  Cam icon is highlighted, and the Scan/View/Add/Del menu will pop up.
3. Press the  UP button or  DOWN button to select the **Scan** icon and press the  OK button to confirm.

4. **ON/OFF** will pop up, press the ▲ UP button or ▼ DOWN button to select On or Off and press the %OK OK button to confirm.

## 6. Troubleshooting

### 1. Product does not switch on

- \* Confirm that the Camera/Baby Unit and Monitor/Parent Unit are ON (check Power LED indicator).
- \* The battery may be depleted; recharge or replace battery.
- \* Confirm that power adapters are properly connected.

### 2. Reception interference(static)

- \* The Camera/Baby Unit and Monitor/Parent Unit may be too far apart.
- \* The battery power may be too low.
- \* Other electronic devices may be interfering with the signal.
- \* The Camera/Baby Unit or Monitor/Parent Unit may be in close proximity to large metallic objects causing interference.
- \* Use of other 2.4GHz products, such as wireless networks (WiFi routers), Bluetooth systems, or microwave ovens, may cause interference with this product. Keep Camera/Baby Unit and Monitor/Parent Unit at least 5ft (1.5m) away from these items, or turn them off if they appear to cause interference.

### 3. Camera/Baby Unit loses link with the Monitor/Parent Unit

- \* If the Camera/Baby Unit is too far away with low reception, move the Camera/Baby Unit closer to the Monitor/Parent Unit.
- \* Large metallic objects, including doors, refrigerators, mirrors, filing cabinets, and also reinforced concrete, may block the radio signal if between the Camera/Baby Unit and Monitor/Parent Unit.
- \* The signal strength may be reduced when in close proximity to radio or electrical equipment, such as TVs, computers, cordless or mobile phones, fluorescent lights or dimmer switches.

\* Use of other 2.4GHz products, such as wireless networks (WiFi routers), Bluetooth systems, or microwave ovens, may cause interference with this product. Keep Camera/Baby Unit and Monitor/Parent Unit at least 5ft (1.5m) away from these items, or turn them off if they appear to cause interference.

\* Pair the Camera/Baby Unit under a different channel. (refer to chapter 5.8.2)

### 4. No picture from a Camera/Baby Unit

- \* Check all connections to the camera. Confirm that the adapter is plugged in.
- \* Try recharging or replacing the battery pack.
- \* Confirm that all cameras and monitors are both ON.
- \* Make sure that the Camera/Baby Unit is within range of the monitor.
- \* Confirm that the Camera/Baby Unit and Monitor/Parent Unit are paired.

### 5. No sound from Monitor/Parent Unit

- \* Volume setting may be too low. Adjust to a higher setting.

### 6. Picture is black and white

- \* Night vision LED may be ON. Night vision mode operates in black and white.
- \* Turn on room lights to force monitor out of night vision mode.

### 7. The picture playback is not smooth (choppy video with low frame rate)

- \* Try moving the Camera/Baby Unit closer to the Monitor Unit.
- \* Remove obstructions between the Camera/Baby and Monitor/Parent Unit.
- \* Use of other 2.4GHz products, such as wireless networks (WiFi routers), Bluetooth systems, or microwave ovens, may cause interference with this product. Keep Camera/Baby and Monitor/Parent

Unit at least 5ft (1.5m) away from these items, or turn them off if they appear to cause interference.

**8. Noise (static, beeping)**

- \* Battery power may be too low; recharge or replace battery.
- \* Possible alarm ring alert.
- \* Possible out of signal alert.
- \* Possible temperature warning.

**9. Noise interference on your Monitor/Parent Unit**

- \* Volume may be set too high on the Monitor/Parent Unit. Lower volume.
- \* The Camera/Baby Unit and Monitor/Parent Unit may be too close. Move them further apart.
- \* The Camera/Baby Unit may be too far away and out of range. Move the Camera/Baby Unit closer to the Monitor/Parent Unit.
- \* Make sure the Camera/Baby Unit and Monitor/Parent Unit are placed away from other electrical equipment, such as a television, computer or cordless/mobile telephone.

**10. The rechargeable battery will not charge or no charge light**

- \* The USB Output Adapter may not be properly connected.
- \* Try using the other USB Power Cable included.
- \* There may be no power from the USB outlet. Switch to another electrical outlet (if using USB Output Adapter) or another USB power source (if using computer/laptop USB power).

**11. Pairing failed**

- \* Make sure that the Power Adapter is connected to the Camera/Baby Unit.
- \* Try pairing to another CAM channel.

**FCC Statement:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following

two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible

for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**DBM-35P SAR**

The device has been tested against the SAR limit (1.6W/kg). The highest SAR value reported for properly Body-Worn is 0.012W/kg, performed under 0mm test distance. This device was tested for typical operations. Accessories used with this device should not contain any metallic components, any accessories not comply with the RF exposure requirement should be avoided.