

# USER MANUAL

MODEL: SM650

## BABY MONITOR SM650

(Digital Wireless Video Baby Monitor With 5.0 inches Color Screen)



**CATCH EVERY PRECIOUS MOMENT OF YOUR BABY**



**THANK YOU FOR PURCHASING THIS BABY MONITOR  
PLEASE ACTIVE AND EXTEND YOUR WARRANTY NOW**

## **Congratulation!**

Now you can take care of your babies anywhere and anytime!

Please read the user manual before use!

Please retain your original dated sales receipt for your records.

For warranty service of your baby monitor, you will need to provide a copy of your dated sales receipt to confirm warranty status. Registration is not required for warranty coverage.

Before you use the product, we recommend you fully charge the battery in the parent unit, so that it continues to work even when disconnected from the power supply for transferring to another location.

Please read the safety instructions.

Please make sure you have the following in the packing.

1. Parent unit x 1
2. Baby unit x 1
3. Adapter x 2
4. User manual x 1

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## 1. SAFETY INSTRUCTIONS :

**CAUTION:** Keep small parts away from children.

**Strangulation Hazard:** Children can become entangled in cords. Power cords should be kept more than 3 feet away from the crib and baby's reach all the time. Baby monitors and cameras with power cords should never be hung on or near the crib. This product is not a toy and should be kept out of children's reach. This product contains small parts. Be care when unpacking and assembling the product.

**Read and keep instructions:** All the safety and operating instructions should be read before the video baby monitor is operated.

**This product cannot replace responsible adult supervision.**

**Water and moisture:** This product is designed for indoor use only. The unit should not be exposed to rain, moisture, dripping or splashing. No objects filled with liquid should be placed on top of, or beside the product, such as a glass or vase. This item should not be used near water.

**DO NOT USE THE APPLIANCE:**

- If the cord or plug is damaged.
- If your baby monitor is not operating properly or has suffered any damage.

**Contact service:** The service center to request inspection and repair it in order to avoid any possible risk.

**DO NOT:** Attempt to repair or adjust any of the electrical or mechanical functions of the unit since, if you do, the guarantee will be made void.

**Ventilation:** This baby monitor should not be used on a bed, sofa, rug or similar surface that may block the ventilation openings, or be placed in an

enclosed area, such as a bookcase or drawer that may impede air flow.

**Keep away from sources of heat:** This unit should not be exposed to direct heat sources such as a candle, replace, radiator, heat register, stove or other appliance that emits heat. The unit should not be left in direct sunlight.

**Power source:** This unit should only be used with the adapter included in this package.

**Damage requiring service:** This unit should be serviced by qualified personnel.



**WARNING: IR emitted from this product. Do not stare at operating lamp !!**



**CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.**

## 2. PRODUCT OVERVIEW

### 2.1 Package List



Baby unit x 1



Parent unit x 1



Adapter x 2

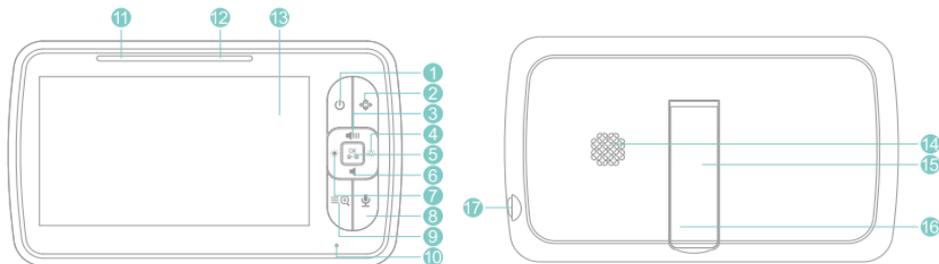


User manual x 1



Screw and  
Anchor x1

## 2.2 Parent Unit (Monitor)



### 1 Power key:

Long press to turn on/off the monitor; short press to screen on/off

### 2 Pan/Tilt

Press the key  to enter into the pan/Tilt mode

### 3 Volume + / Up key:

Press Volume+ to increase the volume/ To up the camera in the Pan/Tilt mode.

### 4 Brightness + / Right key:

Press the Brightness+ to increase the brightness/ To right the camera in the Pan/Tilt mode.

### 5 OK:

Press the OK key to view/scan camera or to confirm.

### 6 Volume - / Down key:

Press Volume- to decrease the volume/ To down the camera in the Pan/Tilt mode.

### 7 Brightness - / Left key:

Press the Brightness- to decrease the brightness/ To left the camera in the Pan/Tilt mode.

### 8 Talk to baby:

\*To talk, press and hold the talk key on the front of the monitor; release to turn it off.

\*Bear in mind that you can't listen to your baby while you're talking to them; to listen to it, you will have to stop pressing this button.

**9 Menu/Exit:**

Press short Menu/Exit key the menu will pop up, and press again to EXit.

Press and hold the Menu/Exit key around 2 seconds to operate Zoom in/out.

**10 MIC:**

When talking to the baby, collect the voices of the parents.

**11 Power&Charging Indicator LED:**

\*The LED shows red when charging under the display is turn off state.

\*The LED displays shows orange when charging under the turn on state.

\*The LED displays shows green after the battery is fully charged.

**12 Volume LED:**

When the baby unit detects the voice, the indicator light will be on, The louder the detected sound, the more lights will light up.

**13 LCD screen:**

Display the baby's picture and the adjustment of each button function

**14 Speaker:**

Hear the sound from the baby.

**15 Stand:**

Monitor placement stand

**16 Reset key (under the stand):**

Long press the reset button with a pin to reset the display

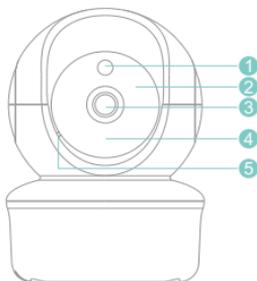
**17 DC-jack:**

Charge the monitor by connecting the Power Adapter to the monitor and a socket

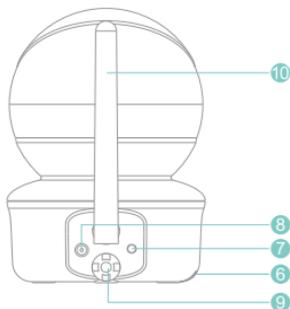
**Note:**

If you want to adjust the Volume/Brightness, you have to exit the Pan/Tilt mode before you operate it.

### 2.3 Baby Unit (Camera)



- ① Light sensor
- ② infrared LEDs
- ③ CMOS sensor
- ④ Power LED
- ⑤ MIC



- ⑥ Speaker
- ⑦ Pair key
- ⑧ DC-Jack
- ⑨ Temperature sensor
- ⑩ Antenna

### 2.4 Icons Overview:

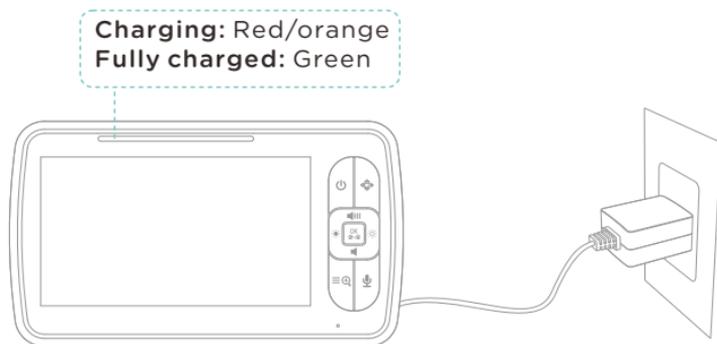
|  |         |  |            |      |              |
|--|---------|--|------------|------|--------------|
|  | Signal  |  | Volume     |      | Zoom         |
|  | Alarm   |  | Brightness |      | Night vision |
|  | Lullaby |  | VOX        |      | Talk to baby |
|  | Camera  |  | Battery    | 80°F | Temperature  |

### 3. USING THE BABY MONITOR

#### 3.1 CHARGING AND POWERING THE MONITOR UNIT

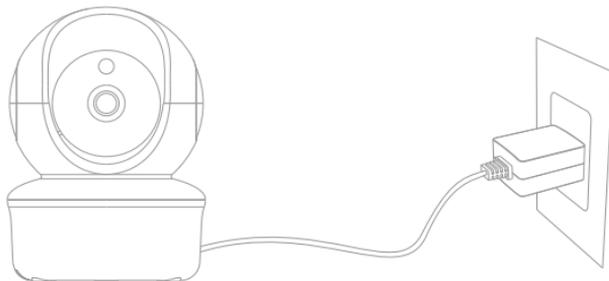
##### Step1:

Charge the monitor by connecting the A/C adapter included in this package to the monitor and a socket. (It takes about 4 hours for the monitor to be fully charged).



##### Step2:

Use the provided AC adapter included in this package to connect the wall outlet with the baby unit.



**Note:**

\*Place the camera at least 3ft / 1m away from your baby. Gently press and hold the Power Button for 3s to turn on the monitor, then you can see the live view.

\*Follow your needs to adjust the sound, brightness, and reasonable placement of the camera.

**Tips:**

To use the baby monitor, you must be able to establish a radio link between the monitor and camera, and the range will be affected by environmental conditions:

\*Any large metal object, like a refrigerator, a mirror, a filing cabinet, metallic doors or reinforced concrete between the baby and parent unit may block the radio signal.

\*The signal strength may also be reduced by other solid structures, like walls, or by radio or electrical equipment, such as TV, computers, cordless or mobile phones, fluorescent lights or dimmer switches.

\*When using the other 2.4GHz product, such as wireless networks (Wi-Fi routers), Bluetooth systems, or microwave ovens, may cause interference with this product, so keep the baby monitor away at least 5ft(1.5m) from these types of products.

### 3.2 PAN AND TILT

The camera unit can be remotely controlled from the Monitor Unit

Step1. Press the Pan/Tilt key  enter the Pan/Tilt mode.

Step2. Press  or  to tilt upward or downward.

Step3. Press the  or  to pan left or right.

Step4. Press the Pan/Tilt key  to exit the Pan/Tilt mode.

**Note:** During the Pan/Tilt can not use the navigation key to adjust volume and brightness.

### 3.3 NIGHT VISION MODE

When the built-in photo sensor detects a low level of ambient light, the screen on the Monitor Unit will display in black and white. the  icon will be displayed on the screen.

### 3.4 TALK MODE

Press and hold the  on the Monitor Unit to talk to your baby through the Camera Unit's loudspeaker. A  icon will be displayed at the bottom right corner of the screen.

### 3.5 DIGITAL ZOOM

Step1. Press and hold the Menu/Exit key  around 2 seconds enter Zoom mode.

Step2. At the Zoom mode, press the Pan/Tilt key  to adjust the direction of the camera/image.

Step3. Press the LEFT key  to pan left; Press RIGHT key  to pan right; Press UP key  to tilt up; Press Down key to  tilt down.

Step4. Press and hold the Menu/Exit key again around 2 seconds to operate Zoom out. During digital zoom mode, the zoom icon will be displayed on the top of screen.

**Warm reminder:** If you want to adjust the Volume/Brightness, you have to exit the Pan/Tilt(press Pan/Tilt key) mode before you operate it.

### 3.6 SCAN AND SWITCH THE CAMERAS

Short press  key to view/scan camera, during the scan mode. the  icon will be displayed on the top of the screen. Each camera's video will be stay on the LCD around 10 seconds then change to the next camera.

Short press the scan key again to switch the camera under the scan mode.

**Note:** This function is only available when two or more cameras are paired.

## 4. FUNCTION OVERVIEW

### 4.1 PAIRING THE CAMERA AND MONITOR

#### Step1:

Press Menu / Exit key  and the menu will pop up.



#### Step2:

Select the camera icon  and press OK key  to enter into sub-menu, press the LEFT key  or RIGHT key  to select the camera to be paired.



#### Step3:

Press OK key  to start the pairing. While the screen shows pairing then press the PAIR button  on the back of camera.



#### Step4:

Once paired, then the screen will display the image from the camera.

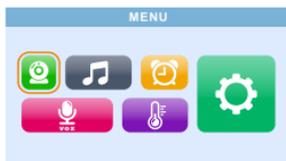
#### Step5:

If unsuccessful, please repeat above steps.

## 4.2 DELETE THE CAMERA

### Step1:

Press Menu / Exit key  and the menu will pop up.



### Step2:

Select the camera icon  and press OK key  to enter into sub-menu, press the LEFT key  or RIGHT key  to select the camera to be canceled.



### Step3:

Press OK key  and select the icon.



### Step4:

Select YES, the camera will be deleted.



### 4.3 LULLABY SETTING

You can soothe the baby to sleep by playing a gentle lullaby from the baby unit.

#### Step1:

Press Menu / Exit key  and the menu will pop up.



#### Step2:

Select the lullaby icon  and press OK key  to enter into sub-menu.



#### Step3:

Press the NAVIGATION key to select the lullaby you need.

#### Step4:

Press OK key  to confirm.

#### Step5:

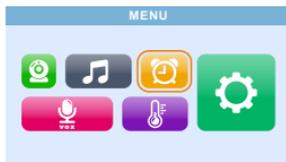
Press the Menu / Exit key  to Exit.

#### 4.4 FEEDING TIMER SETTING

You can use the alarm to remind yourself to feed baby/change diapers/sleep,etc

##### Step1:

Press Menu / Exit key  and the menu will pop up.



##### Step2:

Select the alarm icon  and press OK key  to enter into sub-menu.

##### Step3:

Press the NAVIGATION key to select desired alert time.

##### Step4:

Press OK key  to confirm.

##### Step5:

Press the Menu / Exit key  to Exit.



**Note1:** Once the alarm is turned on, alarm icon  will displayed on the Screen.

**Note2:** The alarm default setting is OFF.

**Note3:** When the alarm is ringing, press any key on the parent unit to turn the

alarm off.

**Note4:** If you don't turn off the alarm, the alarm will ring for 1 minute. After 3 minutes the alarm will ring again for 1 minute. The alarm will ring for 3 times in total, after this the alarm goes off.

## 4.5 VOX SETTING

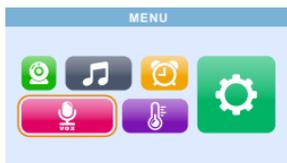
This mode allows you to control the sound activation of your baby monitor. The VOX default setting is OFF. If there is no sound around the camera within 30 Seconds, it will stop transmitting.

The monitor screen turns off when the camera is not transmitting.

When the camera detects the sound is louder than set sensitivity level, it will start transmitting the signal to the monitor again change the VOX level, please follow the next instructions:

### Step 1:

Press the Menu / Exit key  and the menu will pop up.



### Step 2:

Select the VOX icon  and press OK key  to enter into sub-menu.



### Step 3:

Press LEFT key  or RIGHT key  to select the desire level.

### Step 4:

Press the OK key  to confirm.

**Note4:** If you don't turn off the alarm, the alarm will ring for 1 minute. After 3

 is Low sensitivity level; the baby have to make a lot of sound before the VOX function will be activate.

 is middle sensitivity level.

 is High sensitivity level; the baby don't have to make a lot of sound before the VOX function will be activate.

## 4.6 TEMPERATURE SETTINGS

### 4.6.1 Temperature Alarm Setting

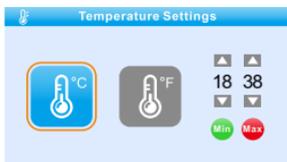
#### Step1:

Press Menu / Exit key  and the menu will pop up.



#### Step2:

Select the temperature icon  and press OK key  to enter into sub-menu.



#### Step3:

Press the LEFT key  or RIGHT key  to select between °C or °F, Follow up on your needs to set the maximum and minimum alarm temperatures.

#### Step4:

Press OK key to  confirm.

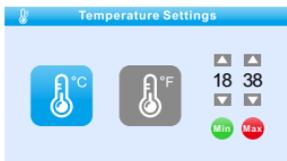
#### Step5:

Press the Menu / Exit key  to Exit.

## 4.6.2 Temperature Hi/Lo Alert Limits

### Step1:

Press LEFT key  or RIGHT key  to select  (red) or  (green) for Hi/Lo limits settings.



### Step2:

Press the up key/down key to adjust the Hi limit when  (red) is selected.

### Step3:

Press the up key/down key to adjust the Lo limit when  (green) is selected.

### Note:

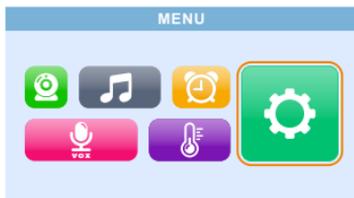
The high temperature alarm default setting is 31°C, and the low temperature alarm default is 14°C. When the temperature goes above or below the settings, the temperature icon will display on the screen, It will alert the user by beeps. Press any key on the parent unit to stop beeping and flashing.

## 4.7 SETTING

### 4.7.1 Language Setting

#### Step1:

Press Menu / Exit key  and the menu will pop up.



#### Step2:

Select the setting icon  and press OK key  to enter into sub-menu.



#### Step3:

Select the language setting  and press  to enter into sub-menu, select the language you need and press  to confirm.



#### Step4:

Press the Menu / Exit key  to Exit.

## 4.7.2 Frequency Setting

### Step1:

Press Menu / Exit key  and the menu will pop up.



### Step2:

Select the setting icon  and press OK key  to enter into sub-menu.



### Step3:

Select the frequency setting  and press  to enter into sub-menu, select the 60Hz if you are in North America, Select the 50Hz if you are in EUROPE.



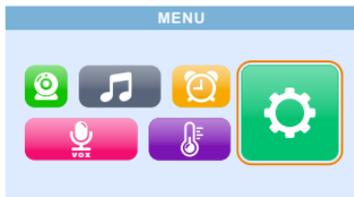
### Step4:

Press the Menu / Exit key  to Exit.

### 4.7.3 Reset Setting

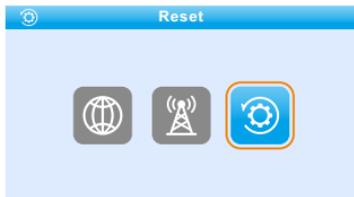
#### Step1:

Press Menu / Exit key  and the menu will pop up.



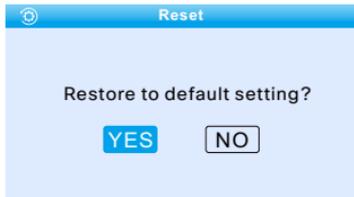
#### Step2:

Select the setting icon  and press OK key  to enter into sub-menu.



#### Step3:

Select the reset setting  and press  to enter into sub-menu, select YES if you need to reset it.



## 5. TECHNICAL DATA

### 5.1 System General

|   |   |
|---|---|
| Frequency   | 2.4GHz  |
| Operation Environment                                   | Indoor use only; Temperature: 0-40 °C ;<br>Humidity: 5% to 90% rh. ( relative humidity) |
| Operating Range   | Up to 900 feet (straight line and open space)   |
| Power adapter   | Input: 100-240VAC 50 / 60Hz, 300mA Max<br>Output: 5V, 700mA                             |
| LCD   | 5.0" LCD Screen   |
| Rechargeable battery for monitor                        | Model: 503450; 3.7V, 2100 mAh   |
| Operating time with battery fully charged (parent unit) | Up to 12 hours (VOX on)   |
| Image sensor type                                       | 1/6.5" Color CMOS image sensor  |
| IR LED Type   | 940 nm  |

Max. Report SAR(1g): Body: 1.179W/kg

## 6. TROUBLE SHOOTING

|  |  |
|--|--|
| Product does not switch on                   | <ul style="list-style-type: none"> <li>*Confirm that the Camera and Monitor Unit are ON(check power LED indicator).</li> <li>*Confirm that Power adapters are properly connected.</li> </ul>   |
| Reception Interference (static)              | <ul style="list-style-type: none"> <li>*The camera and Monitor Unit may be too far apart.</li> <li>*The battery power may be too low.</li> <li>*Other electronic devices may be interfering with the signal.</li> <li>*The Camera or Monitor Unit may be in close proximity to large metallic objects causing interference.</li> <li>*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 and Monitor Unit at least 5ft (1.5m) away from these items, or turn them off if they appear to cause interference.</li> </ul>   |
| Camera Unit loses link with the Monitor Unit | <ul style="list-style-type: none"> <li>*If the Camera Unit is too far away with low reception, move the Camera Unit closer to the Monitor Unit.</li> <li>*Reset both units by disconnecting them from battery and electrical power. Wait about 15 seconds, then reconnect.</li> <li>* Large metallic objects, including doors, refrigerators, mirrors, filing cabinets, and also reinforced concrete, may block the radio signal if between the Camera and Monitor Unit.</li> <li>* 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.</li> <li>* 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 and Monitor Unit at least 5ft (1.5m) away from these items, or turn them off if they appear to cause interference.</li> <li>* Pair the Camera Unit under a different channel. (chapter 4.1)</li> </ul> |
| No picture from a Camera Unit                | <ul style="list-style-type: none"> <li>*Check all connections to the camera. Confirm that the adapter is plugged in.</li> <li>*Make sure that the Camera Unit is within range of the monitor.</li> <li>*Confirm that the Camera and Monitor Unit are paired.</li> </ul>  |
| No sound from Monitor Unit                   | <ul style="list-style-type: none"> <li>* Volume setting may be too low. Adjust to a higher setting.</li> </ul>   |

|  |  |
|--|--|
| <p>Picture is black and white</p>  | <p>*Night vision LED may be ON. Night vision mode operates in black and white.<br/>*Turn on room lights to force monitor out of night vision mode.</p>   |
| <p>The picture playback is not smooth (choppy video with low frame rate)</p> | <p>*Try moving the Camera Unit closer to the Monitor Unit<br/>*Remove obstructions between the Camera and Monitor Unit.<br/>*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 and Monitor Unit at least 5ft (1.5m) away from these items, or turn them off if they appear to cause interference.</p> |
| <p>Noise (static, beeping)</p>   | <p>*Battery power may be too low; recharge battery.<br/>*Possible alarm ring alert<br/>*Possible out of signal alert.</p>  |
| <p>Noise interference on your Monitor Unit</p>                               | <p>*Volume may be set too high on the Monitor Unit. Lower volume.<br/>*The Camera and Monitor Units may be too close. Move them further apart.<br/>*The Camera Unit may be too far away and out of range. Move the Camera Unit closer to the Monitor Unit.<br/>*Make sure the Camera and Monitor Units are placed away from other electrical equipment, such as a television, computer or cordless/mobile telephone.</p> |
| <p>The battery will not charge</p>   | <p>*The Adapter may not be properly connected<br/>*Try using the other Adapter included.</p>   |
| <p>Pairing failed</p>  | <p>*Make sure that the Adapter is connected to the Camera Unit. Try pairing to another CAM channel.</p>  |
| <p>Video not clear with stagnant spots/marks on the screen</p>               | <p>*Make sure there is no dirty on lens</p>  |

**FCC STATEMENTS:**

**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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**NOTE 1:** 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.

**NOTE 2:** Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



# USER MANUAL

MODEL: SM650



## WARNING:

Keep the small parts away from children

All rights reserved

The features described in user's manual are subject to  
modifications without prior notice.