

User manual

Video Baby Monitor

PNI B2500



Caution

In order to prevent improper operation of DC Converter, Please read user manual carefully.

For you safety, please use only the DC converter provided. (The manufacturer will not responsible for any losses caused by DC converter not provided by the manufacturer).!! Important !! Please only use the socket match with DC converter. Use of improper socket may cause electrical and fire damage.

Safety Notice

- Do not use damaged charger
- Do not use battery over the specified time period
- First use or the battery has not been for past several months; please recharge the battery before use
- In order to protect your battery, please fully charge your battery before you use. The battery must be fully discharge it before you charge it again
- Over charge and over discharge will shorten the life of battery. If the usage period of fully charged battery is shorten than new battery, you need to change your battery
- Battery is consumable item, its life will be shorten from the time it is being used
- Don't touches the DC converter with conductors e.g. rings etc

Main Features:

- ★ 100% digital baby monitor kit
- ★ Interference-free
- ★ 4 Channels, support 4 cameras for one monitor
- ★ Portable parent unit
- ★ Video to see your baby with 2.4" LCD color screen
- ★ Infrared night vision
- ★ High sensitivity microphone
- ★ 2-way communication
- ★ VOX function
- ★ Rechargeable battery
- ★ Belt clip on parent's unit

Digital Baby monitor kit components:



1 pc * Wireless Camera
1 pc * Wireless Monitor



2 pcs * Power Adapter
1 pc * AV Cable
1 pc * Instruction Manual

Package Contents:

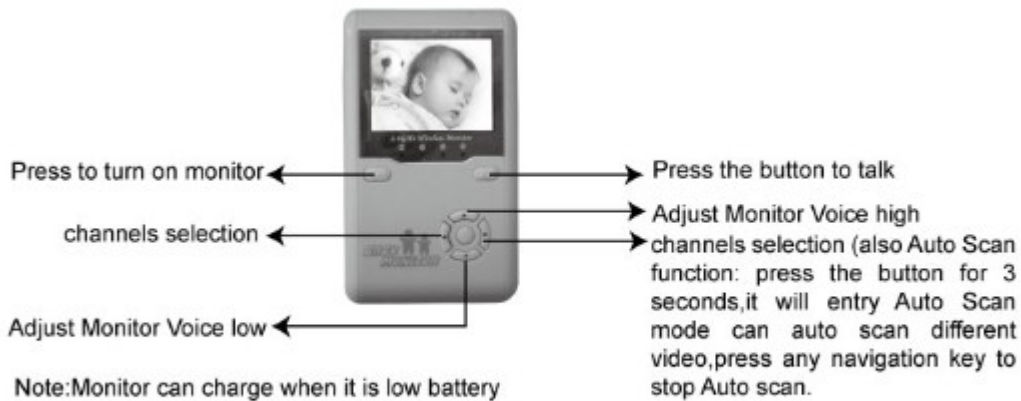
- ♦ 5V DC Adapter * 2 pcs
- ♦ 2.4" Wireless LCD baby monitor * 1pc
- ♦ 2.4G wireless camera * 1pc
- ♦ Instruction Manual * 1pc
- ♦ AV Cable * 1pc

Check the package to confirm that you have received all components show above.

Main Parts



2.4"LCD baby monitor Receiver



Note: Monitor can charge when it is low battery
When monitor charging, it can be power off or turn on. If you want to know battery charge status, you need to turn on the monitor.

User Manual



Press **"POWER"** button on the wireless camera and the LCD monitor after the adapter connects to the camera and the monitor.

Signal strength/Channels/Battery Status will show on the LCD monitor.

Meanwhile, the monitor can receive the video from the camera.

Main Menu



Press **OK** button to display the main menu

- ♦ **Zoom In mode**
- ♦ **Baby Unit Volume mode**
- ♦ **Effect SET mode**
- ♦ **Setup mode**
- ♦ **TV OUT mode**

Mode Selection

Zoom In/Out Mode

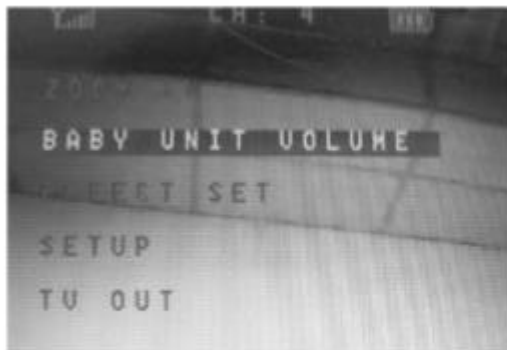


Press **OK** Button to display the main menu.

Press **OK** button to convert **zoom in** or **zoom out** function.

Press **Left Navigation** key to Exit.

Baby Unit Volume Mode



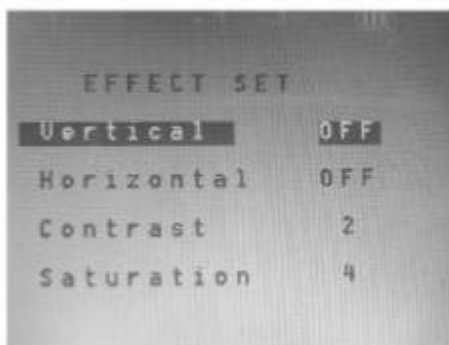
Press **OK** button to display the main menu and then select the "**baby unit volume**" mode by **Down navigation** key.

Press **OK** button to entry, press **UP/Down navigation** key to adjust the voice level (0-9, volume level)

Press **OK** button to confirm volume level

Press **left navigation** key to Exit and return to monitor screen

Effect SET Mode



1. Vertical mode

Press **OK** button to display the main menu and then select the "**EFFECT SET**" mode by Down navigation key,

Press **OK** button to entry. Press **right navigation** key to convert **Vertical on/off**.

Press **OK** button to confirm.

Press **left navigation** key to Exit .

2. Horizontal mode

Press **OK** button to display the main menu and then select the "**EFFECT SET**" mode by **Down navigation** key.

Press **OK** button to entry, press **Down Navigation** key to select **Horizontal** mode, press **right navigation** key to convert Horizontal on/off.

Press **OK** button to confirm.

Press **left navigation** key to Exit.

3. Contrast mode

Press **OK** button to display the main menu and then select the "**EFFECT SET**" mode by **Down navigation** key.

Press **OK** button to entry, press **Down Navigation** key to select **Contrast** mode, press **left navigation** key to decrease the image contrast, press **right navigation** key to increase the image contrast(0-8 , contrast level).

Press **OK** button to confirm.

Press **left navigation** key to Exit.

4. Saturation mode

Press **OK** button to display the main menu and then select the "**EFFECT SET**" mode by **Down navigation** key,

Press **OK** button to entry, press **Down Navigation** key to select **Saturation** mode. Press **left navigation** key to decrease the image Saturation, press **right navigation** key to increase the image Saturation (0-6, saturation level).

Press **OK** button to confirm.

Press **left navigation** key to Exit.

Set up Mode



1. VOX ON/OFF mode

Press **OK** button to display the main menu and then select the "**SETUP**" mode by **Down navigation** key, Press **OK** button to entry.

Press **right Navigation** key to convert VOX on/off

Press **OK** button to confirm

Press **left Navigation** key to exit;

If VOX function is turn on, the baby monitor LCD screen will be off in a short time to entry sleep mode when the camera does not detect any voice. The baby monitor LCD Screen will be auto turn on When the camera detects the voce.

2. VOX SENSE mode

Press **OK** button to display the main menu and then select the "**SETUP**" mode by **Down navigation** key, Press **OK** button to entry, press **Down Navigation** key to select **VOX SENSE** mode;

Press **right Navigation** key to convert VOX SENSE low/height

Press **OK** button to confirm

Press **left Navigation** key to exit.

3. TV mode

Press **OK** button to display the main menu and then select the "**SETUP**" mode by **Down navigation** key, Press **OK** button to entry, press **Down Navigation** key to select **TV MODE**;

Press **right Navigation** key to convert TV mode PAL/NTSC

Press **OK** button to confirm

Press **left Navigation** key to exit

4. LCD Bright mode

Press **OK** button to display the main menu and then select the "**SETUP**" mode by **Down navigation** key, Press **OK** button to entry, press **Down Navigation** key to select **LCD Bright Mode**.

Press **left navigation** key to decrease the LCD Bright, press **right navigation** key to increase the LCD Bright (1-4 , LCD Bright level),

Press **OK** button to confirm

Press **left navigation** key to Exit;

TV OUT Mode



Please connect AV Cable with the baby LCD monitor

Press **OK** button to display the main menu and then select the "**TV OUT**" mode by **Down navigation** key

Press **OK** button to entry, according to the AV Cable correct colors (yellow, white) to connect with TV or other LCD's AV port.

Under the Mode, the baby monitor LCD screen will be off, it only can hear the voice, TV or other LCD can hear voice and watch video.

Pair Process:



Method one:

Use pin to press **pair** key on the Monitor backside (see above icon) ,then can see the monitor power led to flicker, it means can pair up with the camera.

Press the power button on the camera backside. The pairing is successful when the power led of the monitor stops to flicker.




Method two:

Press the **power** button on the camera backside, then can see the camera power led to flicker, it means can pair up with the monitor.

Use pin to press **pair** key on the Monitor backside (see above icon), the pairing is successful when the power led of camera stops to flicker.

- ★ *NOTE : If want to pair more cameras with the monitor, so please select next channel by **right navigation** button on the monitor to pair with another camera, so you can see next channel(CH2 or CH3 or CH4) on the top of the Monitor ,the pairing method same as above process.*

Signal Indicators:

Signal Strength Indicators	Description
	Perfect signal
	Low signal
	No signal

Note: when you take care of your baby sleeping by our baby monitor kit, you should note the signal strength indicators on the LCD monitor. Please see above table.

Troubleshooting

Problem	Solution
No video	Check the DC power of camera or batteries of the camera if works well. Make sure the camera and monitor in effective range.
When the camera works by battery and then change to works by DC, when insert DC to DC port on camera, but the camera does not work and power off .	Please press power button on the camera backside to turn on it. When camera works by battery and then insert DC to DC port , the camera stops to work, so turn off the battery working due to protect the batteries which are in the camera , you know the batteries in the camera can not charge by DC.
Two ways talk --- low volume	Adjust the volume by UP/DOWN key on monitor or

	press ok button entry the main menu, then select baby unit volume mode to adjust the volume by UP/DOWN Navigation key.
When camera works in dark night ,IR lights will auto work ,but IR lights do not light.	IR lights work in dark night, the IR lights will not light, but they are working well.
On TV OUT mode, only can hear the voice from camera but can not watch the video from it.	When on TV OUT mode, the LCD baby monitor can only receive the voice from the camera, but another LCD had connected with the baby monitor can hear the voice and watch the video from camera.
Ripple wave on the monitor when the camera works by 3pcs AAA battery	Make sure the battery' capacity is enough
Can not pairing up with extra cameras when camera works by 3pcs AAA battery	Make sure the battery' capacity is enough or the camera works instead of the adapter

Product Specification

	Item	Value
GENERAL	Operating Frequency	2450 MHz
	Unobstructed Effective Range	250m
	Modulation Mode	FHSS
	Operating Temperature	-26°C ~ +60°C
	Maximum power	0.1Watt
	Operating Humidity	20%-80%RH
CAMERA	Imaging Sensor Type	1/4CMOS
	Picture Total Pixels	628x582(PAL) 510X492(NTSC)
	Horizontal Resolution	360 TV lines
	View Angle	60°
	Minimum Illumination	1.5Lux
	BandWidth	4MHz
	Night Vision Range	3-5m
	Battery Working Time	8 hours
	Motion Detection Distance	>5m
	Sound Control Sensitivity	>60dBA
	Consumption Current	150mA ±15mA
	Power Supply	DC 5V
	Dimensions(WxDxH)	100*86*86(mm)
Weight	141g	
RECEIVER	LCD Screen Type	2.4" TFT-LCD
	Effective Pixels	320x240
	Receiving Sensitivity	-85dBm
	Video System	NTSC/PAL
	Battery Working Time	5 hours
	Consumption Current	150mA±15mA
	Power Supply	DC 5V
	Dimensions(WxDxH)	120*70*22.8(mm)
	Weight	137g

Manual de utilizare

Video Baby Monitor

PNI B2500



1. Attentionari

- Pentru a evita utilizarea necorespunzatoare a produsului, va rugam sa cititi acest manual inainte de punerea acestuia in functiune.
- Pentru siguranta dumneavoastra, va rugam sa utilizati doar adaptoarele de alimentare furnizate in pachet (producatorul nu este responsabil pentru nici un fel de pierdere datorata utilizarii altor alimentatoare).
- Utilizati prize de alimentare corespunzatoare adaptoarelor de alimentare din colet.
- Nu utilizati bateria mai mult decat perioada specificata.
- Nu atingeti alti conductori de adaptorul de alimentare.

2. Componente



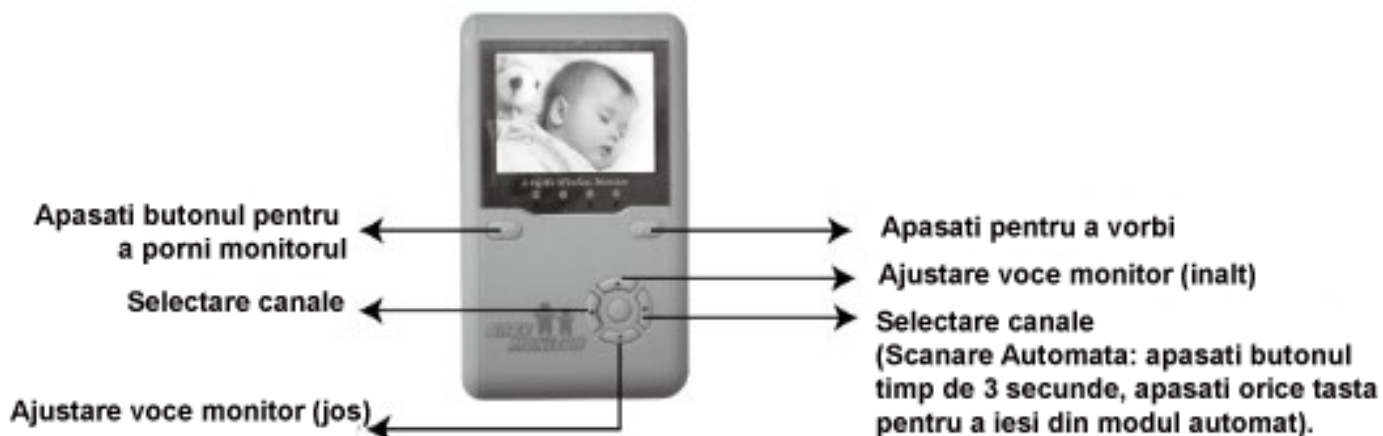
Pachetul contine

- Unitate parinte
- Unitate copil cu camera video
- Alimentator unitate copil
- Alimentator unitate parinte
- Cablu AV
- Manual de utilizare

Unitate copil



Unitate parinte



Butonul de pornire de pe camera si monitor se apasa abia dupa ce acestea au fost conectate.
Pe monitor va fi afisat statusul puterii semnalului / canalelor.

3. Meniu

Se apasa tasta "OK" pentru a afisa meniul principal.

- Marire imagine
- Volum unitate
- Setari efecte
- Setari
- Iesire TV



Marire imagine



Se apasa butonul "OK" pentru a accesa meniul principal. Se apasa butonul "OK" pentru a converti functia din "zoom in" in "zoom out".

Volum unitate



Se apasa butonul “OK” pentru a accesa meniul principal apoi se selecteaza modul “baby unit volume” si se ajusteaza nivelul volumului. Se apasa tasta “OK” pentru a confirma. Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga.

Setari efecte



Modul vertical

Se apasa tasta “OK” pentru a accesa meniul principal, se selecteaza modul “Effect Set”, apoi se alege modul Vertical. Se apasa tasta de navigare dreapta pentru a porni/opri modul vertical. Pentru confirmare se apasa tasta “OK”. Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga.

Modul orizontal

Se apasa tasta “OK” pentru a accesa meniul principal, se selecteaza modul “Effect Set”, apoi se alege modul Orizontal. Se apasa tasta de navigare dreapta pentru a porni/opri modul orizontal. Pentru confirmare se apasa tasta “OK”. Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga.

Contrast

Se apasa tasta “OK” pentru a accesa meniul principal, se selecteaza modul “Effect Set”, apoi se alege modul de Contrast. Se apasa tasta de navigare stanga pentru a reduce contrastul imaginii si tasta dreapta pentru a mari contrastul (0-8). Pentru confirmare se apasa tasta “OK”. Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga.

Saturatie

Se apasa tasta “OK” pentru a afisa meniul principal, se selecteaza modul “Effect Set”, apoi se alege modul de Saturatie. Se apasa tasta de navigare stanga pentru reduce saturatia imaginii si tasta

dreapta pentru a mari saturatia (0-6). Pentru confirmare se apasa tasta "OK". Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga.

Setari



Pornire/Oprire VOX

Se apasa tasta "OK" pentru a accesa meniul principal, apoi se selecteaza modul "Setup". Se apasa tasta de navigare dreapta pentru a porni/opri VOX-ul. Pentru confirmare se apasa tasta "OK". Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga. Atunci cand functia VOX este pornita ecranul monitorului se va stinge intr-un timp scurt pentru a intra in modul sleep (in cazul in care camera nu detecteaza nicio voce). Monitorul se va aprinde automat in momentul in care camera va detecta o voce.

Sensibilitate VOX

Se apasa tasta "OK" pentru a accesa meniul principal, se selecteaza modul "Setup" apoi se alege modul VOX Sense. Se apasa tasta de navigare dreapta pentru a alege nivelul VOX-ului: redus/marit. Pentru confirmare se apasa tasta "OK". Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga.

Modul TV

Se apasa tasta "OK" pentru a accesa meniul principal, se selecteaza modul "Setup", apoi se alege modul TV. Se apasa tasta de navigare dreapta pentru a alege modul PAL/NTSC. Pentru confirmare se apasa tasta "OK". Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga.

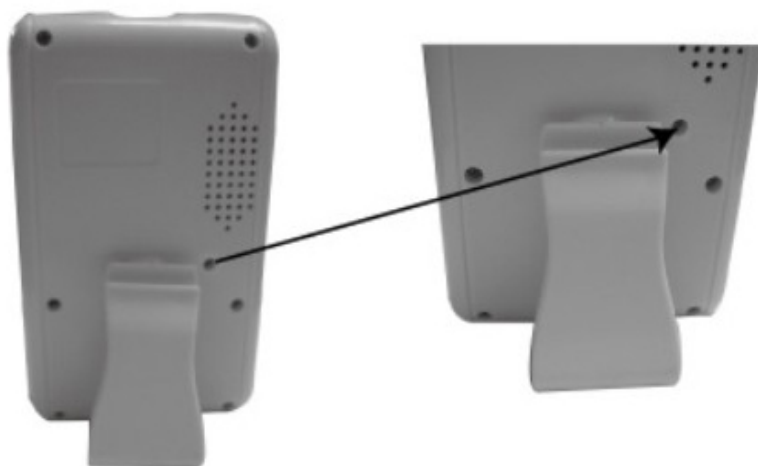
Iluminare ecran

Se apasa tasta "OK" pentru a accesa meniul principal, se selecteaza modul "Setup", apoi se alege optiunea LCD Bright. Se apasa tasta de navigare dreapta pentru a alege nivelul de iluminare dorit. Pentru confirmare se apasa tasta "OK". Pentru a iesi din meniul in care va aflati se apasa tasta de navigare stanga.

Iesire TV

Va rugam sa va asigurati ca monitorul este conectat la TV prin intermediul cablului AV. Se apasa tasta "OK" pentru a accesa meniul principal si se selecteaza modul "TV OUT".




4. Proces de imperechere



Se foloseste un ac pentru a apasa tasta de imperechere aflata in spatele monitorului. Led-ul de alimentare de pe acesta va incepe sa palpaie confirmand cautarea camerei. Porniti camera din butonul ON/OFF (Pornire). Led-ul de alimentare va confirma imperecherea oprindu-se din palpaie.

**Nota: daca doriti sa cuplati mai multe camere la monitor, va rugam sa selectati canalul urmat (CH2, CH3, CH4). Acestea sunt vizibile in partea superioara a monitorului.*

5. Indicatori semnal

Putere semnal	Descriere
	Semnal puternic
	Semnal slab
	Fara semnal

6. Rezolvare probleme

Problema	Solutie
Semnal video inexistent	Verificati alimentatorul camerei. Asigurati-va ca ambele dispozitive sunt in raza de actiune.
Camera nu mai functioneaza dupa trecerea de la baterii la incarcator.	Se apasa butonul de pornire aflat in partea din spate a camerei. Atunci cand camera functioneaza pe baterii si se insereaza incarcatorul camera se opreste. Va rugam sa scoateti bateriile.
Volum redus	Se regleaza volumul din setari (Meniu-> Baby unit volum).
Led-urile IR nu lumineaza atunci cand camera functioneaza pe timp de noapte	Luminile infrarosu functioneaza pe timp de noapte chiar daca acestea nu se aprind.
Se produc unde pe monitor atunci cand camera functioneaza pe baterii	Verificati bateriile
Cuplarea cu o camera suplimentara nu functioneaza atunci cand aceasta este pe baterii	Verificati capacitatea bateriilor sau schimbati pe incarcator

7. Specificatii tehnice

General	
Frecventa / Putere maxima	2450 MHz / 0.1Watt
Raza maxima de comunicare	250m
Mod modulatie	FHSS
Temperatura de functionare	-26°C ~ +60°C
Temperatura de depozitare	25°
Umiditate de functionare	20%-80%RH
Unitate copil (camera video)	
Senzor imagine	1/4CMOS
Rezolutie	628x582(PAL) 510X492(NTSC)
Rezolutie orizontala	360 linii TV
Unghi de vizualizare	60°
Iluminare minima	1.5Lux
Latime de banda	4MHz
Vizualizare pe timp de noapte	3-5m
Autonomie pe baterie	8 hours
Distanta detectie miscare	>5m
Sensibilitate control volum	>60dBA
Consum	150mA ±15mA
Alimentare	DC 5V
Dimensiuni/Greutate	100 x 86 x 86 mm / 141g
Unitate parinte (monitor)	
Tip ecran	2.4" TFT-LCD
Rezolutie	320x240
Sensibilitate	-85dBm
Sistem video	NTSC/PAL
Autonomie pe baterie	5 hours
Consum	150mA±15mA
Alimentare	DC 5V
Dimensiuni/Greutate	120 x 70 x 22.8 mm / 137g

