



# *Nightingale*

STANDARD

## Baby Alarm Monitor



*A vibrating baby alarm monitor for deaf or hard of hearing people.*

*Enjoy your sleep, confident that the Nightingale will wake you if you are needed.*



**INSTRUCTIONS AND INFORMATION**  
for Standard Nightingale Baby Alarm Monitor

**BONGALES2 V2.3**

**August 2002**

**The NIGHTINGALE is a cost effective but reliable add-on vibrating accessory to a conventional baby alarm such as the TOMY Walkabout Classic.**

The TOMY Walkabout Classic, and other similar models, give both an audible and visual alert of a baby crying, which is usually an adequate indication during the day but at night is insufficient to wake up somebody who is deaf.

**The Connevens NIGHTINGALE baby alarm monitor simply plugs into the baby alarm and vibrates when the baby cries.**



**No modification of the baby alarm is required.**

If you wish to use the NIGHTINGALE with baby alarms other than the TOMY Walkabout Classic please refer to page 7.



**So how does it work and how do I use it?**

Once connected the Nightingale will vibrate when the baby alarm is activated. Very simply you replug the power supply lead which normally goes into the baby alarm receiver into the NIGHTINGALE and plug the lead from the NIGHTINGALE back into the baby alarm receiver (parent's end). The transmitter (child's end) of the baby alarm is used as per normal.

**Optional Alarm clock input:**

for use with a Connevens digital or analogue modified clock (not supplied) – to wake you in the morning.



**Optional flashing xenon strobe:**

for day use (when connected, the internal NIGHTINGALE vibrator is disabled so that it doesn't vibrate off the table onto the floor!)



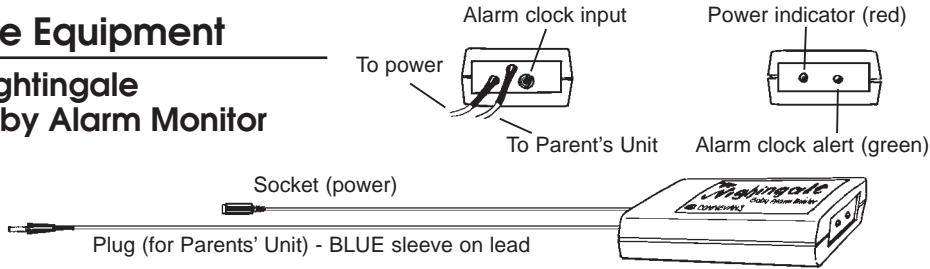
**Optional separate vibrator:**

so you can have the NIGHTINGALE on the bedside and easily swop between strobe and vibrator. Especially useful if you intend to take the Nightingale around the house then you can leave the vibrator safely tucked up in bed, (the internal vibrator is disabled when an external vibrator is connected).

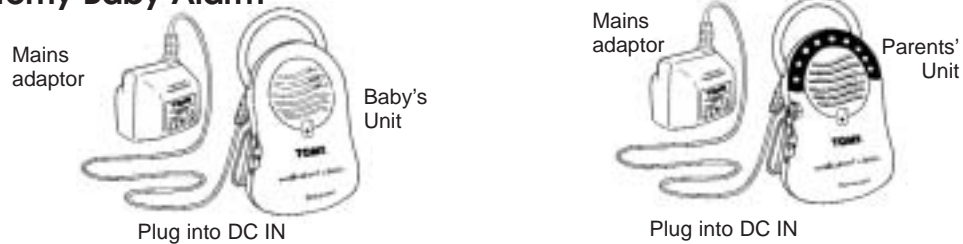


## The Equipment

### Nightingale Baby Alarm Monitor



### Tomy Baby Alarm



## Connecting and setting up the system

For initial setting up, both Baby and Parents' Unit can be together in one room.

### Tomy Baby's Unit

Set up exactly as Tomy instructions.



### Tomy Parents' Unit and Nightingale

The Nightingale fits between the Parents' Unit and the mains adaptor.



1. Plug in the Baby's Unit – switch Baby's Unit to OFF, then turn the mains power on.
2. Connect Nightingale to Parents' Unit – switch Parents' Unit to OFF, plug it in, turn the mains power on and switch on the Nightingale.  
(TOMY – no lights, NIGHTINGALE – red indicator on)

### 3. Turn Parents' Unit to MUTE (Baby's Unit still off).

(TOMY – all red and green indicator lights come on continuously NIGHTINGALE – after a short delay, the unit will vibrate and the red light will go off; the unit will continue to vibrate until step 4 below.)

This tests that the system is functioning. In normal use if this happens, it means that the Baby's Unit is switched off or disconnected.

### 4. Turn Baby's Unit to ON.

(TOMY – lights will become active according to noise levels. NIGHTINGALE – red indicator light on.)

### 5. Make a sustained 'baby' noise.

(TOMY – sustained noise will keep red lights showing longer NIGHTINGALE – will vibrate, for length of noise plus 5 second delay, red indicator light goes out while unit is vibrating.)

Any sustained vocal noise should activate the system, banging near the unit will not work – the Nightingale is designed not to respond to short, sharp noises such as bangs or coughs but to the more sustained sound of a baby crying. The Nightingale will continue to vibrate until the baby stops crying or the parent unit is turned off.

If you have any problems with getting the system working we would suggest that you ensure that the baby alarm is working correctly on its own without the Nightingale.

### 6. Success – you have a working system!

### 7. Finally, move the Baby's Unit into the baby's room.

You may wish to turn Parents' Unit off first, otherwise when the system is disconnected the Nightingale will start to vibrate!

*Special note:* When using your Tomy and Nightingale in the same room you will need to keep the Parent's unit switched to MUTE.

## Where to place the Nightingale

Where you put your Nightingale Vibrating Unit will depend on how sensitive a sleeper you are. The most vibration will be felt by putting inside the pillow slip, the next is to try it under the top sheet at the back of the pillow and if you are easily woken you may find that placing the unit under the mattress itself is best for you.

Inside the Pillow  
Heavy sleeper

Under top sheet  
Average sleeper

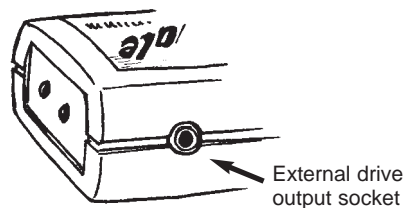
Under the mattress  
Light sleeper



## Options

There is an external drive output socket for use with the optional separate vibrator or xenon strobe.

When this socket is in use, the internal vibrator in the NIGHTINGALE is disabled.



## Separate vibrator

The separate vibrator is plugged into the external drive output socket. All other connections remain the same.



The vibrator is placed as shown on the previous page. When connected, the internal NIGHTINGALE vibrator is disabled so that *only* the separate vibrator vibrates.

## Flashing xenon strobe

Ideal for day use as you do not need to be physically close to the unit at all times.

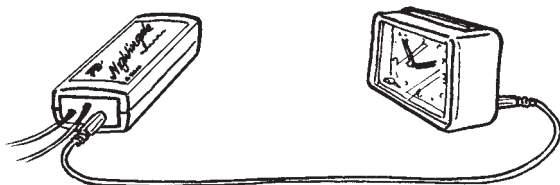
The xenon strobe is plugged into the external drive output socket and flashes brightly when the system is activated. All other connections remain the same. When connected, the internal NIGHTINGALE vibrator is disabled so that it does not vibrate off the table onto the floor!



## Alarm clock

The Connevens modified alarm clocks come with a double ended lead. One end plugs into the Clock Input at the end of the NIGHTINGALE, the other end simply plugs into the socket at the back of the alarm clock.

Set the alarm as usual, when the alarm goes off, the NIGHTINGALE will vibrate and the Green Alarm Clock Alert will light up.



## Using other baby alarms

The NIGHTINGALE Baby Alarm Monitor can be used with many other baby alarms. However, you must first make sure that the baby alarm power adaptor is capable of driving the NIGHTINGALE.

The power supply requirements are 6-10V dc, rated at 250mA and the connector size is a 2.1mm dc jack, centre positive. It will probably be necessary to adjust the sensitivity of the NIGHTINGALE – as detailed below.

Connect up the baby alarm as in the manufacturer's instructions, then fit the Nightingale between the Parent Unit and its power cable just as in the diagram on page 4.

*Please contact Connevens Customer Services if you require help or advice.*

## Adjustment of sensitivity control for use with earlier Walkabout models or other makes of baby alarm

The NIGHTINGALE is factory set to suit the Tomy Walkabout Classic or 2000 and if used with these models is unlikely to need any adjustment. The Connevens Nightingale will need factory modification for use with the Tomy Walkabout 2001.

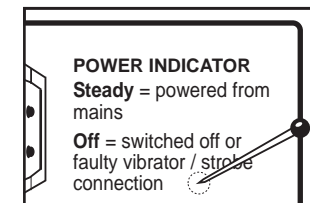
There is a sensitivity control hidden under the label, under the dotted circle. This control allows adjustment for use with other models or makes of baby alarms.

First pierce the label with a pin, then use a small (2.5mm) screwdriver to enlarge the hole and make the adjustment, if necessary peel back the rear label. Turn the screw a very small amount – ideally no more than one eighth of a turn (45°) at a time – then try the system for a while before adjusting again.

To make less sensitive – turn ANTICLOCKWISE


To make more sensitive – turn CLOCKWISE.

**Sensitivity can also be increased by switching the Tomy Parent's unit to "ON" rather than "MUTE"; turning up the volume control will then increase the Nightingale sensitivity.**



## Technical specification

### Standard NIGHTINGALE

- Input/output connection to baby alarm via 2.1mm dc jack
- 6-10V dc 
- Power supply with 250mA minimum rating required
- Length of NIGHTINGALE dc input connecting lead 1m, output connecting lead 1.5m
- Alarm clock input socket
- Alternative 3.5mm output socket for strobe or separate vibrator pad. Output socket is also suitable for connection into a Connevens PPS pager system or Aico EI smoke alarm system for the deaf
- Size 120mm x 60mm x 30mm
- Weight of standard model 200g
- Two helpful indicators:
  - Red:** steady = power on  
off = switched off or faulty vibrator / strobe connection
  - Green:** flashing = alarm clock alert
- Belt clip option – if you really want to wear the baby alarm and the Nightingale on your belt!
- The NIGHTINGALE does not require the baby alarm receiver to have any batteries in it
- The NIGHTINGALE will not work with rechargeable baby alarms

### Accessories and their part numbers.

Standard NIGHTINGALE	40NGALES
Belt clip for NIGHTINGALE	40NCLIP
External strobe	400STROBE
External Pillow Vibrator	400VIBR
Connevens modified digital alarm clock	400DIGCLK
Connevens modified analogue alarm clock	400ANACLK
Nightingale to clock connecting lead	40LEADA
Power supply for use with other baby alarms	*P006G
TOMY Walkabout Classic – <i>not eligible for VAT relief</i>	40NTCLASS

**Specifications:** In accordance with its policy of progressive product design, Connevens reserves the right to alter specifications and/or appearance without notice.



## Connevens Limited

**EQUIPMENT FOR DEAF AND HEARING IMPAIRED PEOPLE  
IN EDUCATION, EMPLOYMENT, THE HOME & LEISURE**

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