



Nightingale

RECHARGEABLE 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 Rechargeable Nightingale Baby Alarm Monitor

BONGALER2 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.

Rechargeable battery model:

allows flexible use during the day away from a power socket. For those who wish to use the NIGHTINGALE with the xenon strobe during the day the rechargeable version allows you to transfer from room to room or even out into the garden without needing to find a mains socket. You can even use it on holiday too so you can sit downstairs in the pool bar! Please see the technical specification for battery life.

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).



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



NIGHTINGALE

Under top sheet
Average sleeper



NIGHTINGALE

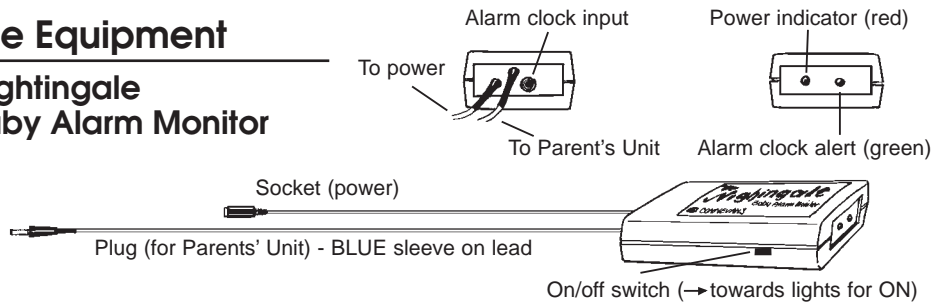
Under the mattress
Light sleeper



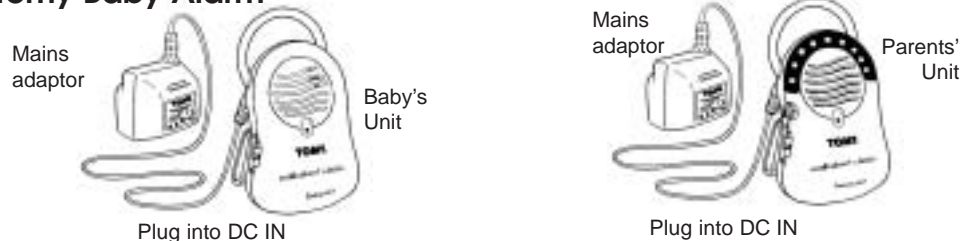
NIGHTINGALE

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.

Using the Rechargeable Nightingale in battery mode

On first use, the NIGHTINGALE will need to be used in mains mode for 48 hours to fully charge itself.

The NIGHTINGALE will be charging all the time it is used in mains mode. When used in battery mode the red light flashes to show that it is on (rather than the continuous red light that shows when used in mains mode).

To go from mains to battery mode, simply unplug the power lead, the NIGHTINGALE and TOMY Parents' Unit will now both be powered from the rechargeable NIGHTINGALE.

Note: the power lead does not unplug from the NIGHTINGALE – if you wonder

why, it is to avoid accidental unplugging. (The NIGHTINGALE is often used tucked in under bedding and a removable plug could become detached too easily.)

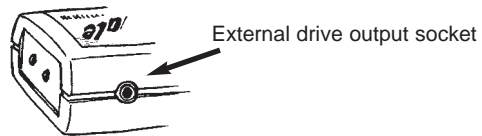
Recharging

As long as the NIGHTINGALE is plugged into the mains (with the mains power switched on), it will be charging its battery – even though the NIGHTINGALE itself may be switched off. It cannot overcharge.

In practice, when you are not using the NIGHTINGALE in battery mode, keep it plugged into the mains. This will keep it fully charged ready for use around the house or garden. *Do not continue to use the Nightingale in battery mode after the red ‘power’ light on the Tomy Parent’s unit shows “low battery” by going out or dim. Also when storing the NIGHTINGALE for long periods, it is important to leave it switched off or the battery could be damaged.*

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.



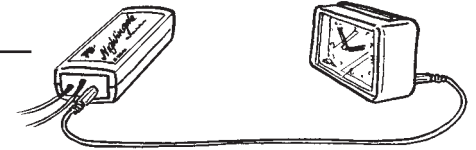
Flashing xenon strobe

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 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

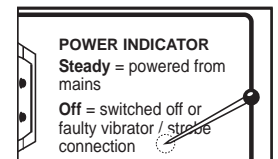
The NIGHTINGALE is factory set to suit the Tomy Walkabout Classic or 2000 and if used with these models is unlikely to need any adjustment. The Connevens Nightingale will need factory modification for use with the Tomy Walkabout 2001.

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 – Rechargeable NIGHTINGALE

- Input/output connection to baby alarm via 2.1mm dc jack ● 6-10V dc 
- Power supply with 250mA rating required
- Length of NIGHTINGALE dc input connecting lead 1m, output connecting lead 1.5m
- Size 120mm x 60mm x 30mm ● Weight of rechargeable model 285g
- Alarm clock input socket
- Alternative 3.5mm output socket for strobe or separate vibrator pad.
Output socket is also suitable for connection into a Connevans PPS pager system or Aico EI smoke alarm system for the deaf
- ON/OFF switch
- Two helpful indicators:
 - Red:** steady = power on – powered from mains
flashing = running on internal rechargeable battery power
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
- Typical rechargeable battery life when used with a Tomy Walkabout Classic in mute mode is:
 - 8 hours standby
 - 7 hours including 10 minutes of vibration or strobe
 - 6 hours including 20 minutes of vibration or strobe
- The rechargeable NIGHTINGALE is trickle charged (whether turned on or off) whilst the power supply is connected, the recharge time for a totally discharged battery is 48 hours. Whilst connected, recharging is on a top-up basis.

Accessories and their part numbers.

Rechargeable NIGHTINGALE	40NGALER
Belt clip for NIGHTINGALE	40NCLIP
External strobe	400STROBE
External Pillow Vibrator	400VIBR
Connevans modified digital alarm clock, batteries & lead	400DIGCLK
Connevans modified analogue alarm clock, battery & lead	400ANACKL
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, Connevans reserves the right to alter specifications and/or appearance without notice.



Connevans Limited

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

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