

Important note — emergency calls

The Pegasys 8 Triple is not designed for making emergency calls when the mains power fails. So you should make alternative arrangements for access to Emergency Services —

this means that you should also have a basic phone that does not need mains power, connected to your line so that you can make calls during a power failure.

If you need help ...

The Binatone Help Line is available from 9.00 am to 5.00 pm, Monday to Friday, on

0208 344 8870

Unpacking your Pegasys 8 Triple

In the box are:

- three cordless handsets
- three rechargeable battery packs and three battery compartment covers for the handsets
- the base unit
- a mains power lead with adapter, for the base unit
- a telephone line cable
- two charger pods
- two mains power leads with adapters, for the charger pods

Keep the packaging materials in a safe place in case you later need to transport the unit.

Keep your sales (till) receipt, which is your guarantee.

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The handsets

Telescopic antenna

This should be fully extended to approximately 19–20 cm when you want to use the handset.

REDIAL/PAUSE button

Press to make a repeat call to the last number you dialled.
Press to generate pauses when using the phone for calls on a PBX.

RINGER ON/OFF SWITCH

Press to make a call to a number stored in memory.

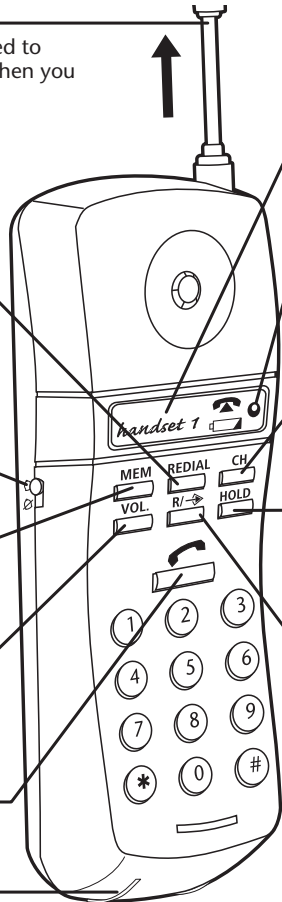
VOLUME button

Press to change the volume in the earpiece during a call (*two volume levels*)

PHONE button

Press to begin and end a telephone call.

Battery charging contacts



Handset number

Handsets are numbered 1, 2 and 3

In Use / Battery Low light

This comes on when you have a connection to the line; it flashes rapidly for an incoming call and slowly when the battery is running low.

CH button

Press this to change channels if you have problems with interference during a call.

HOLD/TRANSFER button

Press to mute the mouthpiece during a call. When you have put a call on hold, you can transfer it to another handset

RECALL/STORE button

You will need the Recall function if your phone is connected to a PBX, or if you use BT's Select Services.

The Store function is for storing numbers in memory.

Before you start ...

Before you can use handsets, you will need to fit battery packs and fully charge the batteries, as described on pages 5 and 6.

Please read the notes on page 4 before you install the base unit and charger pod.

The base unit and charger pods

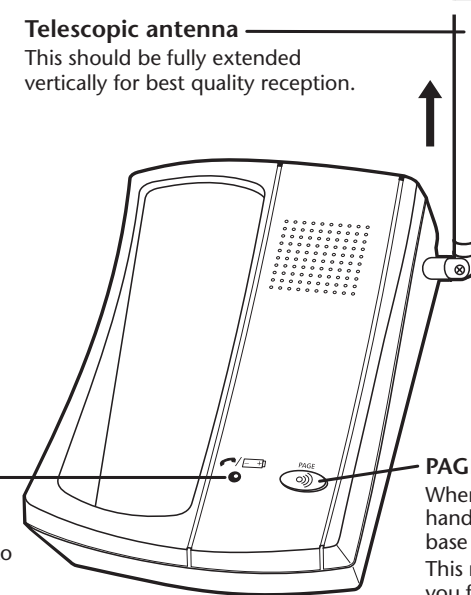
Telescopic antenna

This should be fully extended vertically for best quality reception.

IN USE/CHARGE light

This flashes when a call comes in, and comes on when you are connected to the telephone line.

This also comes on when the handset's battery is being charged.

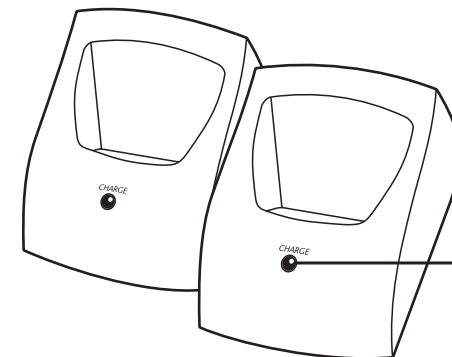


PAGE button

When you press this, all handsets registered to the base unit will ring. This may be useful to help you find a handset if you can't remember where you put it.

Press this button again to stop the handsets ringing.

You also need to press this button when registering a handset.



CHARGE light

This comes on when the handset's battery is being charged.

! **IMPORTANT** — *before using a handset for the first time, you need to leave it on the base unit or charger pod for 12 hours so that the battery becomes fully charged.*

Read these notes before installation

Connection and conditions for use

You can connect your Pegasys 8 Triple to a public exchange line in the UK; or to an extension on an approved PBX using DTMF (tone) signalling and timed-break recall (TBR).

The **ringer equivalence numbers (RENs)** of all instruments (phones, fax machines, etc.) connected to an exchange line **must not add up to more than 4** — otherwise, one or more of them may not ring and/or answer calls correctly. The Pegasys 8 Triple has a REN of 1, and most other telephones have a REN of 1 unless marked otherwise.

Sites for the base unit and charger pod

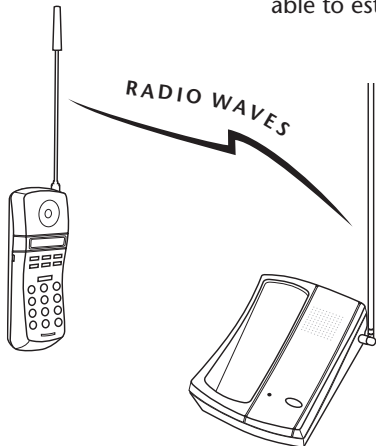
The **base unit** should be installed where:

- the mains adapter plug will reach a 230-V AC switched mains supply socket — **never try to lengthen the mains power cable**
- the telephone cable will reach your telephone line socket or extension socket
- it is not close to another telephone — this can cause radio interference
- it is not close to a sink, bath or shower, or anywhere else where it might get wet
- it is not close to other electrical equipment — fridges, washing machines, microwave ovens, TVs, fluorescent lights, etc.

To use your handsets and base unit together, you must be able to establish a radio link between them. Be aware that:

- Siting the base unit as high as possible will give better results — in a two-storey house, the best position may be on the first-floor landing.
- Any large metal object — like a refrigerator, or a filing cabinet — between the handset and base unit may block the radio signal.
- Other solid structures, like walls, may reduce the signal strength.

The **charger pods** should be installed where the mains adapter plug will reach a 230-V AC switched mains supply socket — **never try to lengthen the mains power cable**. Do not place a charger pod where it might get wet.

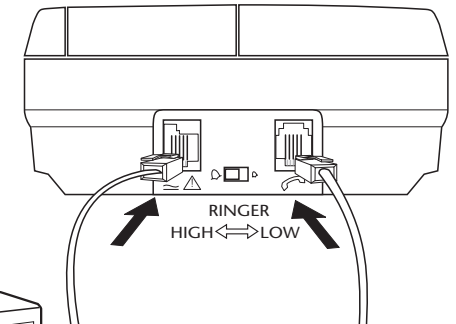


Connecting the base unit and chargers

1 Choose a suitable site for the base unit.

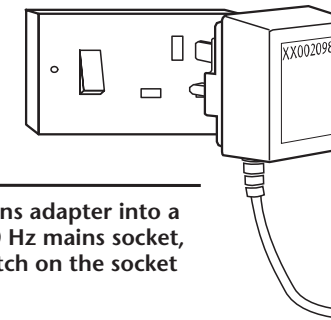
Make sure it is not near to another telephone, nor to other electrical equipment

2 Plug the mains power lead and the telephone line cord into the back of the base unit



NOTE: you can set the base unit ringer volume using the switch located between the two cable connectors

3 Plug the mains adapter into a 230 V AC, 50 Hz mains socket, with the switch on the socket set to OFF

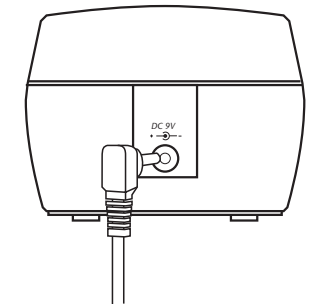


The Pegasys 8 Triple base unit must be used with mains adapter, part no. XX002098D, supplied with the unit. Using any other adapter will result in non-compliance with EN41003, and will invalidate any approval given to this apparatus.

4 Switch on mains power at the socket

5 Connect a mains power lead into the socket on back of each charger pod Plug each mains adapter into a 230 V AC, 50 Hz mains socket and switch on mains power

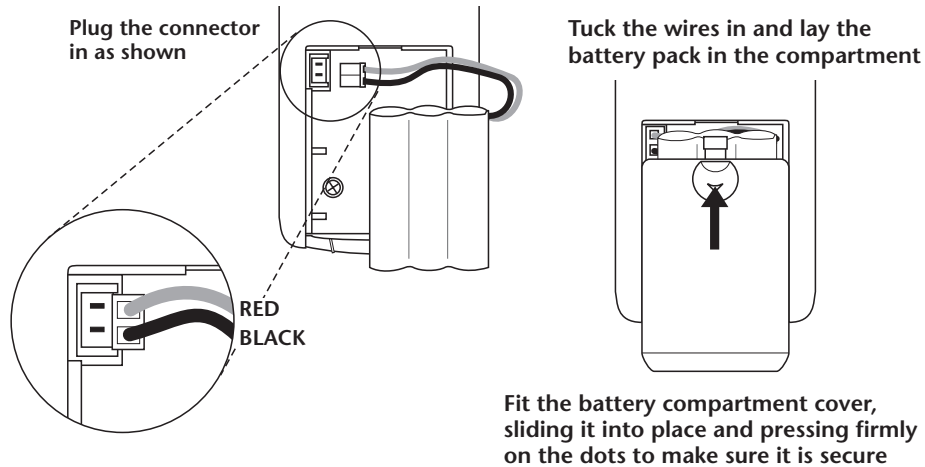
The charger pods do not have a connection to the telephone line



The Pegasys 8 Triple charger pods must be used with mains adapter, part no. XX002101D, supplied with the unit. Using any other adapter will result in non-compliance with EN41003, and will invalidate any approval given to this apparatus.

Fitting and charging the battery packs

6 Fit a battery pack in each handset

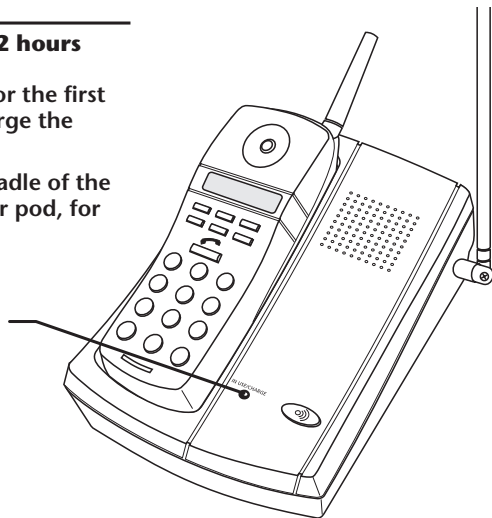


7 Charge the battery for 12 hours

Before you use a handset for the first time, it is important to charge the battery fully.

Leave it on the charging cradle of the base unit, or on the charger pod, for 12 hours.

The IN USE/CHARGE light comes on when the handset is correctly positioned in the charging cradle.



Leave the handsets on the base unit or charger pod whenever you are not using them, to keep the battery charged.

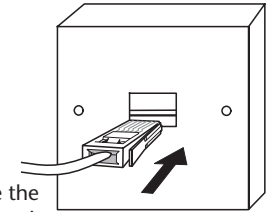
Connection to the telephone line

8 Connect the base unit to the telephone line



- Switch off power at the mains socket
- Insert the telephone line plug into the socket as shown
- Switch mains power back on

Make sure the mains socket is switched on if you want to use the phone — it will not work without electrical power

Use the plug to raise the shutter before pushing it into the socket



9 Check for Dial tone in each handset

- Lift one handset from the base unit or charger pod
- Press the  button and check that you hear Dial tone in the earpiece
- Press the  button to close the connection to the base unit
- Repeat with the other handset

NOTE: only one handset can be connected to the line at once. Make sure you have closed the first connection before trying for Dial tone in the second handset.

If you do not hear Dial tone, check that the base unit is correctly connected to mains power and the telephone line, and that the handsets' batteries are fully charged. Try again.

If you still don't hear Dial tone, try the registration procedure on page 12.

You hear a 'beep' when you press the PHONE button

The light flashes then comes on steadily



Before you start

The handset ringer

Make sure the ringer switch on the side of the handset is set to ON if you want the phone to ring for incoming calls.

Interference

If the sound quality gets worse as you move around while on a call, this is probably due to interference between the handset and the base unit, perhaps because you are close to another phone or other electrical equipment.

Move to a different position to clear the interference. If you do not move, your call may be cut off and you may not be able to use your handset again for up to 20 seconds.

The **CH** button

If the interference persists, try pressing the **CH** button to change channels.

'Battery low' warning

When the battery is running low, you are warned by the 'battery low' light flashing slowly and the phone 'beeping' every two seconds. You should finish your call as soon as possible and recharge the battery.

If you find that the battery is running low within an hour or two, try this:

- 1 Leave the handset off the base unit for a while, until the 'battery low' light flashes slowly.
- 2 Then replace the handset on the charging cradle and leave it for a full 12 hours.

Electrical safety


- **DO NOT** let the base unit get wet. Electrical equipment can cause serious injury if used while you are wet or standing in water.
- If the base unit ever falls into water, **DO NOT** retrieve it until you have unplugged the power lead from the mains and the telephone line plug from the telephone socket; then pull it out by the unplugged cables.
- **NEVER** use your Pegasys 8 Triple outdoors during a thunderstorm — unplug the base unit from the telephone line and the mains socket when there are storms in your area. Damage caused by lightning is not covered by the guarantee.

Making and answering calls


- ! **Note** — only one handset can be connected on a call at one time.

Make sure the antennae on the handset and base unit are fully extended.


To make a call

- 1 Press the  (PHONE) button
The In Use light flashes and then comes on steadily; you hear a 'beep'.
- 2 Key in the telephone number

To answer a call


Press the  button so that the In Use light comes on

To end a call

Press the  button so that the In Use light goes out or replace the handset on the base unit or charger pod.

Last Number Redial

To make a repeat call to the last number you dialled (up to 32 digits):

- 1 Press the  button and wait for the In Use light to come on steadily
- 2 Press **REDIAL**

'Out of range' warning

If you hear warning 'beeps' as you move around while using a handset, this probably means you are going out of range of the base unit.

Move nearer to the base unit until the tone stops. If you do not move, your call may be cut off and you may not be able to use your handset again for up to 20 seconds.

Hold and transfer

Putting a call on hold

To put a call 'on hold', so that the person on the other end cannot hear you:

Press **HOLD**

As long as the call is on hold, the In Use light flashes. The caller hears 'beeps'.

To get back to the call:

Press **HOLD** again

Transferring a call

When you have a call in progress, to transfer it to another handset:

- 1 Press **HOLD** to put the call on hold
- 2 Key in the number of the *other* handset (1, 2 or 3)

The other handset rings. When the user answers, s/he will be connected to the caller.

If the other handset has not answered the transferred call within 30 seconds, your handset will ring again. If you answer within another 30 seconds, you will be reconnected to the caller; otherwise, the call will be cut off.

OR, to transfer the call to EITHER of the other handsets:

- 1 Press **HOLD** to put the call on hold
- 2 Press *****

The other two handsets ring. If neither user answers within 60 seconds, the ringing will stop and the call will be cut off.

- ! **Note:** before you can transfer a call, the other handset must be idle — i.e. the user must not be trying to make a call or to store numbers in memory.

Memory dialling


Each handset has its own ten memory locations, 0 to 9, for you to store numbers, each with up to 20 digits.

To store a number

Make sure the In Use lights on both handsets are off.

- 1 Press **R / →**
- 2 Key in the number you wish to store
- 3 Press **R / →** again
- 4 Press a number (0 to 9) to select the memory location
You hear a 'beep'.

To make a memory call

- 1 Press the  button and wait for the In Use light to come on steadily
- 2 Press **MEM**
- 3 Key in the memory location (0 to 9)

Chain dialling

You can store part of a number (e.g. the dialling code) in memory, then use a combination of memory and manual dialling, in any order, when you make a call.

To clear a number from memory

You can clear a number by simply storing another one in the same location. Or, to clear the memory location altogether:

- 1 Press **R / →** twice
- 2 Key in the memory location (0 to 9)
You hear a 'beep' to confirm that the memory location has been cleared.

Registering and deregistering handsets

Your Pegasys 8 Triple is supplied with handsets 1, 2 and 3 already registered to the base unit, but if you have problems using a handset, you may need to re-register it.

- ! **Handsets must be registered to the main base unit; not to a charger pod. Make sure you have charged the handset's battery before trying to register it.**

To register a handset

- 1 On the base unit, press the PAGE button and hold it for about 3 seconds until the In Use/Charge light flashes**

- 2 On the handset, press * and # together**

You hear a 'beep' from the handset.

- 3 Key in the handset number (1, 2 or 3)**
(The number is written on the front panel of the handset.)

- 4 Immediately place the handset in the base unit charging cradle**

The In Use lights on the base unit and handset flash for up to 30 seconds. If registration is successful, you then hear a 'beep' and both lights go out.

If you do not hear a 'beep' within about 30 seconds, registration has failed. Try again, making sure that:

- you use the correct handset number (as written on the front panel)
- you do not leave more than 15 seconds between key-presses.


If you have problems ...

- ! **The Pegasys 8 Triple must be serviced by trained engineers.**
- **NEVER attempt any repairs or adjustments yourself — you could make the problem worse and invalidate the Guarantee.**

ALWAYS check first that:

- ◆ you have followed the steps listed on pages 5 to 7 to install and set up your Pegasys 8 Triple
- ◆ all connectors are firmly inserted in their sockets
- ◆ the handsets' batteries are not run down

"I cannot make or answer calls."

If one or more handsets do not give Dial tone when you press the  button, follow the registration procedure on page 12.

Remember you can only use one handset at once. If one handset is already connected on a call, you must wait until it has finished before you can use another one.

RESETTING THE SYSTEM

If you don't know what's causing the problem:

- ◆ Switch off power to the base unit and charger pods at the mains sockets and/or unplug the mains power adapters.
- ◆ Remove the battery pack from the handset.
- ◆ Unplug the telephone line cord from the socket.
- ◆ Wait for 2 minutes, then replace the battery pack, reconnect the telephone line plug and switch mains power back on to the base unit and charger pods.
- ◆ Try again to make a call.

"I cannot register my handset"

Make sure the handset's battery is fully charged.

Do not leave more than 15 seconds between key-presses.

Make sure you are using the correct handset number, as written on the front panel.

"I can't transfer a call"

Make sure the other handset is within range of the main base unit and is not in use.

Make sure you are keying in the correct number (1, 2 or 3) for the other handset.

“The phone does not ring”

Check that the RINGER ON/OFF switch on the side of the handset is set to ON.

Check that the total REN value of all equipment connected to your telephone line is no more than 4 (see page 4). Disconnect one or more telephones and see whether that helps.

“I can’t store phone numbers in memory”

Make sure the handset has no Dial tone and the In Use light is off before you try to store numbers.

Do not pause for more than 30 seconds between pressing buttons when storing a number.

“I hear ‘beeps’ during a call.”

Move closer to the main base unit within 20 seconds. Otherwise your call may be cut off.

Press **[CH]** to change channels.

Check whether the ‘battery low’ symbol is shown on the display. If so, place the handset on the base unit or charger pod to recharge the battery.

“There is interference and noise on the line.”

Move closer to the main base unit.

Try a different position for the base unit — perhaps higher.

Make sure neither the base unit nor the handset are near any other electrical equipment.

Press **[CH]** to change channels.

“The handset’s battery is running low within an hour or two.”

Before you first used the handset, you should have left it on the base unit or charger pod for 12 hours to charge the battery fully.

Leave the handset off the base unit or charger pod until the ‘Battery Low’ light flashes. Then replace it and leave it for 12 hours (e.g. overnight). Repeat these two steps from time to time — this will ensure that the battery becomes charged to its full capacity.

If the problem persists, you may need to replace the battery pack. To find out how to obtain a replacement, call the **Binatone Spares Department** on **01325 304 473**, between 9.00 am and 5.00 pm, Monday to Friday.

“Last Number Redial and/or memory dialling don’t work on a PBX.”

When you first make a call, try pressing **[REDIAL]** for a pause between the outside line access digit (e.g. 9) and the telephone number. You should later be able to redial the number using the **[REDIAL]** button.

When storing numbers in memory, you can include the outside line access digit (e.g. 9) with each number.

If your PBX requires you to wait for a second Dial tone before dialling the telephone number, press **[REDIAL]** for a pause between the access digit and the number.

If the fault persists ...

- ◆ Disconnect all other instruments connected to the same line as the Pegasys 8 Triple and see whether you can make a call.
- ◆ Disconnect the base unit from the telephone line and plug a different phone into the master telephone socket. Try making a call. If this works, the line is OK.
- ◆ If the call does not work, and you are using a two-way socket adapter, remove it and plug a telephone directly into the socket. If the call now works, the adapter may be faulty.
- ◆ If you cannot make a call, the fault may be on the exchange line. Contact the service provider (the BT engineers on 151, or your cable company).
- ◆ If you still cannot identify the cause of the problem, contact the **Binatone Help Line** on **0208 344 8870**. The Help Line is open from 9.00 am to 5.00 pm, Monday to Friday.

Replacing the batteries

When replacing the batteries in the handsets, refer to the diagram on page 6.

SAFETY WARNINGS

- ◆ Never try to recharge alkaline batteries — they may burst, causing injury or damage.
- ◆ Use only the battery pack recommended by the Binatone Spares Department.
- ◆ Dispose of used batteries safely — never burn them, or put them where they could get punctured.

Technical information

Radio frequencies

Cordless phones operate on a specially assigned range of radio frequencies. It is possible, though very unlikely, that one side of your calls may be overheard on domestic radio receivers. When cordless phones are used near to each other, users may very occasionally overhear each others' calls. To make this unlikely, the Pegasys 8 Triple with charger can operate on eight channel frequencies.

If this type of interference does happen, use the **CH** button to change channels.

Details

Operating range up to 200 m outdoors; up to 50 m in buildings

Operating time standby: 96 hours
talking: 5 hours
battery charge time: 12 hours

Temperature range Operating 0°C to 40°C
Storage -20°C to 60°C


Transmitting radio frequency HANDSET — between 39.9375 MHz and 40.1125 MHz. This band has been allocated eight RF channels, each of which is assigned to a specific PLL-controlled carrier frequency.


BASE UNIT — between 31.0375 MHz and 31.2125 MHz. This band has been allocated eight RF channels, each of which is assigned to a specific PLL-controlled carrier frequency.

Electrical power HANDSET — 3.6 V 300 mA Nickel Cadmium (NiCd) rechargeable battery

BASE UNIT — input 230 V AC, 50 Hz; dual output DC 9 V, 250 mA / DC 9 V, 80 mA; mains adapter part number XX002098D

CHARGER POD — input 230 V AC, 50 Hz; output DC 9 v, 100 mA; mains adapter part number XX002101D,

Port specification The  port (connected to the mains power supply) is a SELV port with respect to EN41003.

The  port (connected to the telephone line) is a TNV port with respect to EN41003.

Approvals TBR21, MPT1384, EN41003, EN60950

PBX compatibility Timed break recall: 100 ms. Pause length (using the REDIAL button): 3 seconds. Signalling type: DTMF (dual tone multi-frequency), also called tone dialling.

Guarantee and service

The Binatone Pegasys 8 Triple is guaranteed for 12 months from the date of purchase shown on your sales receipt. The Guarantee does not cover damage by misuse or negligence, or by excessive voltages — for example, faults on the telephone line, or lightning.

Please keep your sales (till) receipt — this is your guarantee. You should also keep the original packaging material.

In the unlikely event that you need to return your Pegasys 8 Triple to our Repair Centre, there will be a £5 handling charge.

While the unit is under Guarantee

- ◆ Pack up your Pegasys 8 Triple, using the original packaging. Remember to include the charger and mains adapters.
- ◆ Return the unit, **with your sales receipt**, to the retailer you bought it from.

Repair after the Guarantee has expired

- ◆ Call our Service Department on **01325 304473** and ask for a quotation of the repair charge and details of where to send your Pegasys 8 Triple for repair.
- ◆ Make sure you include your name and address, plus a cheque or postal order for the value of the repair charge.
- ◆ Return your Pegasys 8 Triple to the address given by the Service Department.

Cleaning and care

- ◆ You can your Pegasys 8 Triple with a damp cloth. Do not use abrasives, spray polish or solvents, which may cause permanent damage not covered by the Guarantee.
- ◆ Keep your Pegasys 8 Triple away from hot, humid conditions or strong sunlight, and do not let it get wet.

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DECLARATION OF CONFORMITY

We: Binatone Telecom Plc Of: Unit 1, Ponders End Industrial Estate
East Duck Lees Lane
Enfield, Middlesex
EN3 7SP, United Kingdom

Declare under our sole responsibility that the product:

PEGASYS 8 TRIPLE

To which this declaration relates, complies with all the essential requirements of the EMC Directive 89/336/EEC and Low Voltage Directive: 73/23/EEC

Signed: _____ Date: 15th Nov 1999

John Porter — Operations Director



Binatone Telecom plc operates a policy of continuous product improvement, and so reserves the right to make changes to the product and functions without notice.

