

Important note — emergency calls

The Icarus 8 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

020 8344 8870

Unpacking your Icarus 8

In the box are:

- the cordless handset
- a rechargeable battery pack and a battery compartment cover for the handset
- the base unit, with telephone line cable attached
- a mains power lead and adapter

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 handset

Telescopic antenna

This should be fully extended to approximately 20 cm for clearer reception during calls.

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.

PHONE button

Press to begin, answer and end a telephone call.

SECRECY button

Press to mute the microphone during a call, so the person on the other end cannot hear you

MEMORY button

Press when storing numbers in memory and to make calls to them

VOLUME button


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

Microphone

Battery charging contacts

Battery compartment cover

RINGER ON/OFF switch

If you set this to  (off), the batteries will stay charged for longer but the handset will not ring

RECALL button

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

RINGER button

Press when the phone is on hook to change the ringer melody (using number keys 0–9)

CH button

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

LNR (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.

Before you start ...

Before you can use the handset to make calls you will need to fit the battery pack and fully charge the batteries, as described on pages 4 to 6.

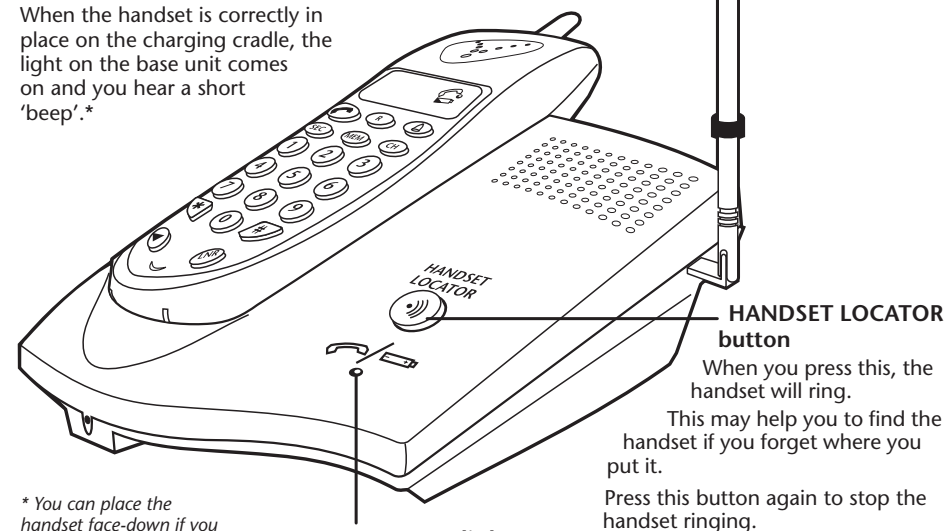
Please read the notes on page 4 before you install the base unit.

The base unit

Telescopic antenna

This should be fully extended vertically for best quality reception.

When the handset is correctly in place on the charging cradle, the light on the base unit comes on and you hear a short 'beep'.*



* You can place the handset face-down if you prefer, unless the base unit is wall mounted.

IN USE/CHARGE light

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

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

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

HANDSET LOCATOR button

When you press this, the handset will ring.

This may help you to find the handset if you forget where you put it.

Press this button again to stop the handset ringing.

The handset ringer

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

This switch must also be set to ON to enable you to page the handset from the base unit.

Read these notes before installation

Connection and conditions for use

You can connect your Icarus 8 to a direct exchange line (DEL — a line connected directly to a local exchange, with its own phone number); to an extension socket connected to a DEL; or to an extension on an approved compatible PBX. Do not connect the Icarus 8 as an extension to a payphone.

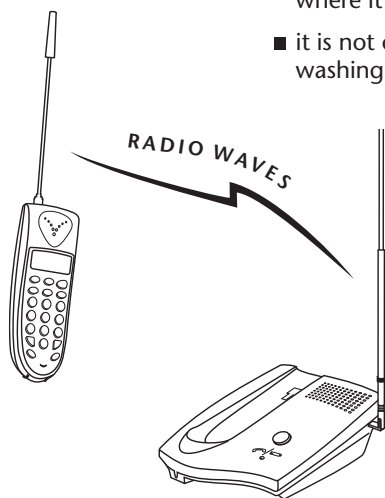
How many phones can you connect?

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 Icarus 8 has a REN of 1, and most other telephones have a REN of 1 unless marked otherwise.

Choosing a site for the base unit

The base unit can be placed on a level surface or wall mounted, in a position 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 handset and base unit together, you must be able to establish a radio link between them. Be aware that:

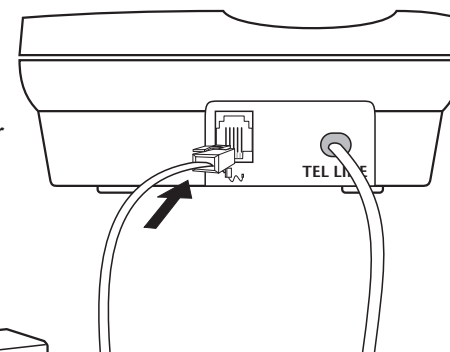
- Siting the base unit as high as possible will give better results — in a two-storey house, the best position may be on the first-floor landing.
- Any large metal object — like a refrigerator, a mirror or a filing cabinet — between the handset and base unit may block the radio signal.
- Other solid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

Installation and set-up

1 Choose a suitable site for the base unit.

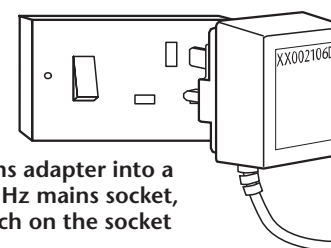
Make sure it is not near to another telephone, nor to other electrical equipment

If you prefer to wall mount the unit, refer to the template for instructions



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

3



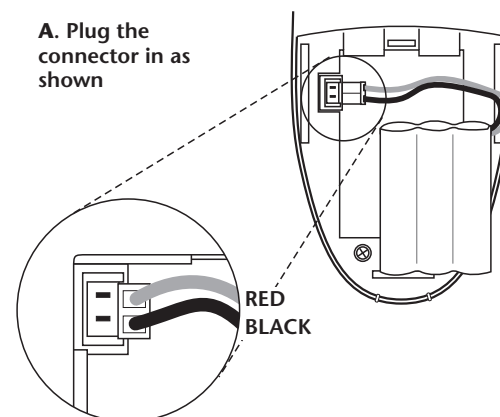
Plug the mains adapter into a 230 V AC, 50 Hz mains socket, with the switch on the socket set to OFF

The Icarus 8 must be used with mains adapter, part no. XX002106D, supplied with the unit. Using any other adapter will result in non-compliance with EN41003, and will invalidate any approval given to this apparatus.

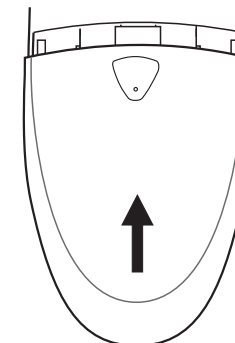
4 Switch on mains power at the socket

5 Fit the battery pack in the handset

A. Plug the connector in as shown



B. Tuck the wires in and lay the battery pack in the compartment



C. Fit the battery compartment cover, sliding it into place and pressing firmly on the dot to make sure it is secure

Installation and set-up

6 Charge the battery for 12 hours

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

Leave it on the charging cradle for 12 hours.

Leave the handset on the base unit whenever you are not using it, to keep the battery charged.

7 Connect the base unit to the telephone line

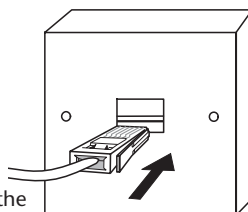
Switch off power at the mains socket

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



8 Check for Dial tone in the handset

Lift the handset from the base unit

Press  and check that you hear Dial tone in the earpiece

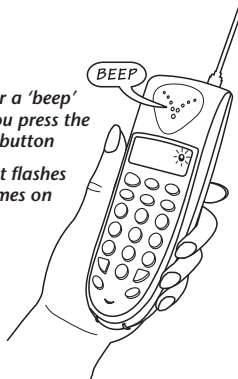
Press  to close the connection to the base unit

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 handset's batteries are fully charged. Try again.

If you still don't hear Dial tone, try resetting the unit as described on page 11.

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

The light flashes then comes on steadily



Setting the ringer pattern and volume

1 Make sure the light on the handset is off

2 Press  — the light flashes and the handset rings.

3 Press any of the numeric keys (0–9) to change the ringing pattern

Note that 0 turns the ringer off completely.

4 When you decide which pattern you prefer, press  again or just wait for a few moments

The light goes out

Before you start

Care of your Icarus 8

- Do not clean any part of your Icarus 8 with benzene, thinner or other solvent chemicals — this may cause permanent damage which is not covered by the Guarantee. When necessary, clean it with a damp cloth.
- Keep your Icarus 8 away from hot, humid conditions or strong sunlight, and do not let it get wet.
- Every effort has been made to ensure high standards of reliability for your Icarus 8. However, if something does go wrong, please do not try to repair it yourself — consult your supplier or the Binatone Help Line.


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 Icarus 8 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.


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 too near 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.

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


Earpiece volume

To toggle between high and low volume in the earpiece while you are on a call, press the  button.

'Out of range' warning


If you hear a warning tone as you move around during a call, and/or the sound in the earpiece becomes faint or distorted, you may be going out of range of the base unit.

Move nearer to the base unit within 20 seconds, until the tone stops. Otherwise, your call may be cut off.

If your call has been cut off, press  once, move closer to the base unit, and wait for 20 seconds before using your handset again to make a call.

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 Icarus 8 can operate on multiple frequencies.

If this type of interference does happen, press  to change channels.

'Battery low' warning

When the battery is running low, you are warned by:

- the light on the handset flashing while the handset is not busy on a call
- the phone 'beeping' every two seconds as long as you have a connection to the line

You should finish your call as soon as possible and recharge the battery.

You can leave the handset on the base unit whenever you are not using it, to keep the batteries charged.

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 handset's light flashes.
- 2 Then replace the handset on the charging cradle and leave it for a full 12 hours.

Making and answering calls

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

To make a call

1 Press 


Wait for the handset's light to come on steadily. Check for Dial tone in the earpiece

2 Key in the telephone number

To answer a call

Press  so that the handset's light comes on steadily

To end a call

Press  so that the handset's light goes out

Last Number Redial

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

1 Press 

Wait for the handset's light to come on steadily

2 Press 

Muting the mouthpiece

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

Press 

As long as the mouthpiece is muted, the handset's light flashes.

To get back to the call:



Press  again

Memory dialling



You can store up to ten numbers, each with up to 20 digits, in memory locations 0 to 9.

To store a number

Make sure the phone is not in use (IN USE light off).

- 1 Press 
The IN USE light flashes.
- 2 Key in the number you wish to store
- 3 Press  again
- 4 Press a number key (0 to 9) to select the memory location
You hear a 'beep' and the light goes out.

To make a memory call



- 1 Press 
Wait for the IN USE light to come on steadily
- 2 Press 
- 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 its place. Or, to clear the memory location altogether:

- 1 Press 
- 2 When the light flashes, press  again
- 3 Key in the memory location (0 to 9)

If you have problems ...

- ! The Icarus 8 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 4 to 6 to install and set up your Icarus 8
- ♦ all connectors are firmly inserted in their sockets
- ♦ the handset's batteries are not run down


"I cannot make or answer calls."

Lift the handset from the base unit then replace it. You should hear a 'beep'. If you do not hear a 'beep' reset the system as follows.

RESETTING THE SYSTEM

- ♦ Switch off power to the base unit at the mains socket and/or unplug the mains power adapter.
- ♦ 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.
- ♦ Try again to make a call.

"I cannot get Dial tone to make a call."

Check that the handset's batteries are securely installed and are not run down. If the batteries are OK, the handset's light should flash, at least briefly, when you press .

If the light flashes briefly but does not stay on, and you hear 'beeps', the handset cannot communicate with the base unit. Try moving closer to the base unit.

If you still cannot get Dial tone, replace the handset in the base unit's charging cradle. You should hear a 'beep'. Try again to make a call.

If you do not hear a 'beep', reset the system as described above.

"The phone does not ring"

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

Check that you have not set the ringer melody to 0 (off) — see page 6.

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 handset's 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 base unit within 20 seconds. Otherwise your call may be cut off.

Press **(CH)** to change channels.

Check whether the handset's light is on when it is not in use. If so, place the handset on the base unit to recharge the battery.

"There is interference and noise on the line."

Move closer to the 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.

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

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 for 12 hours to charge the battery fully.

Leave the handset off the base unit until the handset's 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 **(LNR)** 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 **(LNR)** 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 **(LNR)** 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 Icarus 8 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 **020 8344 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 handset, refer to the diagram on page 5.

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 details

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

Operating time standby: 10 days (ringer off); 4 days (ringer on)
talking: 6 hours
battery charge time: 12 hours

Security 65536-combination code to prevent unauthorised use


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 multiple 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 multiple RF channels, each of which is assigned to a specific PLL-controlled carrier frequency.

Electrical power HANDSET — 3.6 V 300 m AH Nickel Cadmium (NiCad) rechargeable battery

Base unit — input 230 V AC, 50 Hz; dual output DC 12 V, 150 mA / DC 9 V, 80 mA; mains adapter part number XX002106D

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: 98 ms. Pause length (using the LNR/P button): 3 seconds. Signalling type: DTMF (dual tone multi frequency), also called tone dialling.

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.

Guarantee and service

The Binatone Icarus 8 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 Icarus 8 to our Repair Centre while it is under guarantee, there will be a £5 handling charge.

While the unit is under Guarantee

- 1** Disconnect the base unit from the telephone line and the mains electricity supply
- 2** Pack up all parts of your Icarus 8, using the original packaging. Remember to include the mains adapter
- 3** Return the unit to the shop where you bought it, making sure you take your sales receipt

Repair after the Guarantee has expired

- If the unit is no longer under Guarantee, first follow steps **1** and **2** as for repair under Guarantee. Then ...
- 3** Call our Service Department on **01325 304473** and ask for a quotation of the repair charge and details of where to send your Icarus 8 for repair
 - 4** Make sure you include with your Icarus 8:
 - your name and address
 - a cheque or postal order for the value of the repair charge
 - 5** Return your Icarus 8 to the address given by the Service Department

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