

## Specification

This product is designed for use in Great Britain and complies with the European Low Voltage and EMC Directives.

For a copy of the Declaration of Conformity for this product, please write to Lazerbuilt Ltd, 20 Gunnels Wood Park, Stevenage, Herts, SG1 2BH.

## Guarantee

This product is guaranteed for a period of 12 months from the date of purchase. Before returning for repair, please read the section 'Troubleshooting'.

In the unlikely event that your telephone develops a fault within the first month of purchase, it should be returned with a copy of the purchase invoice, to your retailer who will exchange it for a new one. If your telephone becomes faulty within the guarantee period but after the first month, it should be returned for repair (with a copy of the purchase invoice), to **Lazerbuilt Ltd, 20, Gunnels Wood Park, Stevenage, Herts, SG1 2BH**

After the guarantee period, return your phone to the address shown. Indicate the problems you are experiencing and include your name, address, telephone number and a postal order/cheque for £5.00 to cover the handling charge. Lazerbuilt will then send you an estimate for the repair.

Important Note -This guarantee does not cover:- misuse; negligence; excessive voltage; faults on telephone line or damage due to lightning.

## Disposal

Please take care when disposing of this product. At the end of the products life it should be entered into a recycling scheme. It should not be disposed of in normal domestic waste



# LAZER Model 905K USER GUIDE



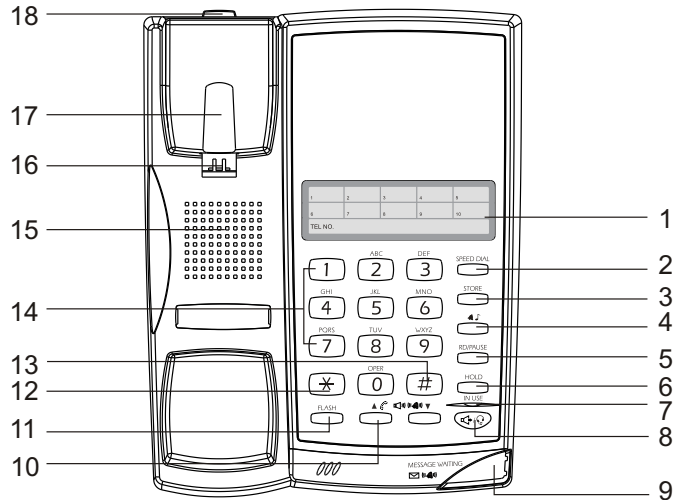
Thank you for buying this Lazer telephone. Before using, please take time to read these instructions and familiarise yourself with the product. You will then be aware of the features it offers and get the most from them.

Please save these instructions and keep them on hand for future reference.

## Features

- Hands-free dialling (Monitor)
- Monitor Volume Control (8 levels)
- Headset socket with auto detection of headset
- Headset Volume Control (4 levels)
- Handset Volume control (4 levels)
- 12 Memories.
- Last Number Redial Memory
- Ring Volume Control (8 levels).
- Ring Melody Adjustment (16 settings)
- Music on Hold (Monitor mode)
- Mute (Handset mode)

## At a Glance



1. Index Card..... Use to record details of the phone numbers stored in memory
2. Mem (Memory) button ..... Use when dialling numbers stored in memory.
3. Store Button ..... Press to store numbers in memory
4. 🎵 ..... Press and hold for 3 seconds to change the ring melody.
5. Redial / Pause..... Press to Redial the last number called.  
Use to insert a pause in dialled numbers or memories.
6. Hold ..... Press to hold or mute a call.
7. In Use / Hold Light ..... Will light when the phone is in-use and flash when a call is on hold.
8. 📞 ..... Press to activate the Monitor (handsfree dialling).  
With a headset connected, will activate headset operation instead of Monitor.
9. Message Wait / Ring Light ..... Will flash when the phone has message waiting information ( PABX message wait) and during ringing.

## Troubleshooting

Wherever possible, before returning a phone for repair or replacement or calling a Telecom engineer to check your line, replace your phone with a know working phone and see if the problem remains.  
When you have any doubt about the correct functioning of your phone and it is connected in an installation with other devices (phones, answering machines, faxes etc.), disconnect all other devices and check the phone on its own. If possible, it can also be helpful to check the phone in an alternative location.

### Phone is dead

Check that the telephone line and handset curly cords are correctly connected and the plugs are pushed firmly into their sockets.

The 4 wire UK line cord supplied with the phone should be plugged into the UK line socket at the rear of the phone. If the line cord is replaced with a 2 wire line cord that uses the 2 centre connectors, Earth Recall will not be available.

### Recall does not work

If the phone is connected directly to a telephone line, ensure the Recall Selector switch (at the rear of the phone) is set to the 'F' (Timed Break) position.

If the phone is connected to an extension of an office telephone system (PABX), ensure that the setting of Recall selector switch (at the rear of the phone) matches the type of Recall used by the telephone system. Note if 'F' is selected ensure the Flash time is set to 100mS.

### Message Wait LED lit all the time.

If the 'Message Wait' LED is lit all the time, the setting of the selector switch should be checked.

When connected to a direct telephone line (not via an office telephone system) or to an office telephone system that does not support message waiting signals, the switch should be set to the HV position

### Speaker (Monitor) not working

Make sure that a headset is not fitted to the headset socket on the left side of the phone.

### Helpline

If you are unable to resolve a problem having first read the 'Troubleshooting' section of this guide, please contact the helpline (during office hours) on 01438 749009

## Phone Settings (continued)

### Changing from Tone to Pulse Dialling

When supplied, the phone is set for Tone Dialling. This is the most common form of dialling and works on all domestic telephone lines in the UK.

If the phone is connected to an extension of an office telephone system (PABX) that only supports Pulse dialling, then the following method may be used to change from Tone to Pulse.

With the phone On-Line (handset up)

**Press and hold the # (PULSE) button.**

After 10 seconds you will hear a beep tone to confirm the change.

Hang the handset up (the change will not take effect until the handset has been returned to the cradle).

### Temporary Change to Tone

When in the Pulse mode, it may be necessary to generate M.F tones (to activate automated services etc).

To make this change

**Press the \* (TONE) button.**


### Changing from Pulse Dialling to Tone Dialling

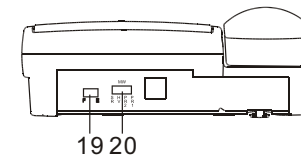
With the phone On-Line (handset up)

**Enter any digit** (This will clear dial tone so you can hear the confirmation beep)

**Press and hold the \* (TONE) button for 10 seconds**

Hang the handset up (the change will not take effect until the handset has been returned to the cradle).

- |  |  |
|--|--|
| 10.  ..... | In the Idle mode, press and hold to adjust the ringer volume.<br>In Monitor or Headset mode, press to adjust the receive volume.<br>While using the handset, press to adjust the handset volume. |
| 11. Recall.....  | Activate a Recall Signal (Timed Break 'F' or Earth 'E' according to the setting of the switch at the rear of the phone)  |
| 12. * / Tone .....   | Press and hold for 10 seconds to change from Pulse to Tone dialling.<br>In Pulse mode, short press for a temporary switch to Tone dialling.  |
| 13. # / Pulse .....  | Press and hold for 10 seconds to change from Tone to Pulse dialling.   |
| 14. Dial Keys .....  | Dialling keys for calling numbers and entering names in Direct Memories.   |
| 15. Speaker .....  | Loudspeaker  |
| 16. Wall Mounting Clip .....   | Wall mounting handset clip - pull out and turn through 180 degrees, then replace. The handset will hang on this clip when the phone is wall mounted.   |
| 17. Hookswitch .....   | Press to disconnect a call.  |
| 18. Handset Park .....   | Rest the handset on this clip when the phone is wall mounted and you wish to hang up the handset without disconnecting the call.   |



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|--|--|
| 19. Recall Selector Switch.....        | Use to select Timed Recall (F) or Earth Recall (E).                                    |
| 20. Message Wait Selector Switch ..... | Use to select the type of Message Wait Signal sent by the PABX (office PABX use only). |

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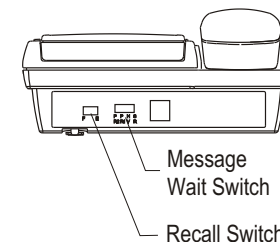
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## Phone Settings

### Setting the Recall & Message Wait Switches

At the rear of the phone are 2 switches for the setting of the Recall and Message Wait signals. **For use on a normal domestic telephone line, the following settings should be used**

**Recall** - 'F' (Timed Break Recall)  
**Message Wait** - HV (High Voltage)



### Message Waiting Selector switch (PABX operation only)

The Message waiting LED is designed for use in conjunction with office telephone systems that provide 'message wait' signals. At the rear of the phone is the Message Wait selector switch, this must be set to match the signal available from the PABX. There are 4 available settings.

- PR1 & PR2 - for use on a PABX that generates a 'reverse polarity' signal.
- HV - for use on a PABX that generates a 'high voltage', message wait signal.
- SR - used in conjunction with systems that generate SR (soft ring) message wait signals.

Note - when connected to office telephone systems that generate a 'reverse polarity' message wait signal, it will be necessary to determine the correct setting of the switch (positive or negative / PR1 or PR2). Connect the phone to the extension socket and ensure no message wait signal is present (PABX is not sending a Message Waiting signal to that extension). If the LED is lit, set the switch to the other polarity (if the switch is set to the PR1, set it to the PR2 position and vice versa).

Note- If the 'Message Wait' LED is lit all the time, the setting of the selector switch should be checked.

### Recall Selector Switch

This product provides both Timed Break (default approximately 100mS) and Earth Recall signals. When the product is directly connected to a telephone line (not via an office telephone system PABX) then the recall switch (at the rear of the phone) should be set to the 'F' (Flash or Timed Break) position. **If the product is connected to an extension of an office telephone system (PABX), it is important to ensure that the switch is set to match the Recall of the PABX (either 'F'- Timed Break or 'E' - Earth).**

The default period of the Timed Break Recall signal is 100mS. - (200mS, 300mS, 400mS, 600mS and 900mS options are available).

### Changing the Timed Recall Period

Note - for use in the UK, the Recall Period should be 100mS. When supplied the phone will be programmed with this setting. For use in France or Portugal, a setting of 300mS may be required.

With the phone On Line and the Recall selector switch set to the 'F' (Timed Recall) position.

Press the # button 8 times.

Enter the required Recall Time (100mS, 200mS, 300mS, 400mS, 600mS or 900mS) using the dial keys.

**Press Recall** and hang up to confirm the setting.

Note : the setting will not change until the handset has been returned to the cradle

## Handsfree Dialling (Monitor)

The phone allows you to make and progress calls in a Hands-free (Monitor) mode. When the call has been answered you must pick up the handset to talk to the other party.


### Making a call using Handfree Dialling (Monitor)

With the phone in the IDLE mode

Press the  button.

Enter the required number.

Adjust the volume heard from the speaker using the     buttons.


To terminate the call, press the  button again, the IN-USE light will go out and the phone will drop the line.

Or

To talk to the caller, pick up the handset.

### To switch from handset to Monitor.





Whilst making a call using the handset

Press the  button and return the handset to the cradle. You will be able to progress the call from the speaker.

(This may be useful if the other party places the call on hold)

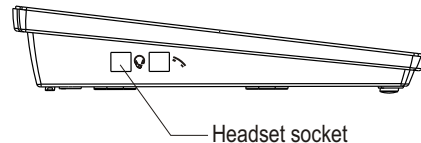
Pick up the handset to continue talking to the other party.

### Speaker (Monitor) Volume

The volume of the incoming caller, heard through the speaker, can be adjusted using the     buttons.

## Headset Operation

A headset may be connected to the socket provided on the left side of the phone. The phone will detect that a headset is connected and switch the Monitor (Handsfree Dialling) functions to the headset.








### Making a call using a Headset


With a headset connected

Press the  button

Enter the required number. The call can be conducted via the headset.


Adjust the volume heard from the headset using the     buttons.

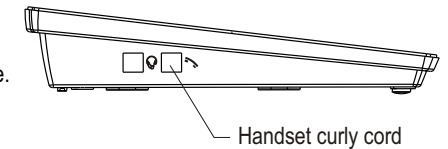
To terminate the call, press the  button again, the IN-USE light will go out and the phone will drop the line.

An incoming call may be answered in the Headset mode by pressing the  button.

## Installation

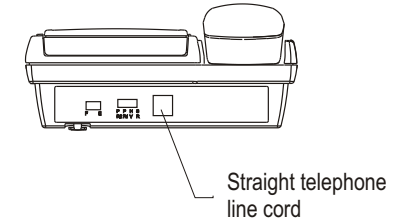
### Connect the cords

Plug one end of the curly cord into the socket in the handset and the other end into the socket on the left side of the phone. Note there are 2 sockets on the left side of the phone (headset and handset). Ensure the handset curly cord is plugged into the correct socket marked with the  symbol.



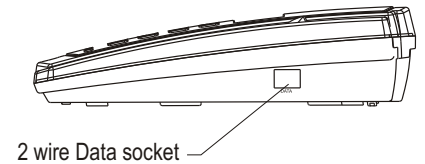
The straight telephone line cord should be plugged into the socket at the rear of the phone and into a suitable telephone wall outlet.

Note - the straight(UK) line cord provided with this phone has 4 wires. The outer 2 wires of the UK wall plug connect to the inner 2 connections of the phone (a crossover cable). Please use only the cable supplied with the phone.



### Data Socket

An additional RJ45 socket on the right side of the phone is provided for the connection of a modem. This socket utilising the centre 2 connections for the telephone 'A' and 'B' wires.



### Wall Mounting

**Handset clip** - In order to hold the handset in place when wall mounted, there is a reversible clip located beneath the hookswitch. Slide the clip towards the hookswitch to remove it. Rotate it through 180 degrees and slide it back into position.

There will now be a protruding lip onto which the handset will locate when hung vertically.

**Fixing screws** - To attach the phone to the wall, 2 screws are used

The screws should be fixed to the wall, 85mm apart, in a vertical plane. The slots in the base of the phone will then locate onto these screws. The screws should be adjusted so that the phone is held securely.



**IMPORTANT NOTE** : Before fitting the fixing screws to the wall, ensure that the wall is capable of supporting the weight of the phone and that there are no pipes or wires hidden in the wall, behind the telephone position. Do not attempt to wall mount the phone in a position where there is an electrical switch or socket either vertically above or below the required position, unless you are sure the wiring to that fitting does not run behind the proposed telephone location. Also ensure that the telephone line cord will reach to your telephone socket from the proposed location.

## Basic Operation

### Redial

The phone will remember the last numbers you dialled.

To Redial the Last Number

**Pick up the handset or press the   button**  
**Press RD/PAUSE.** The last number will be dialled.

### Recall (Flash)

Recall signals may be required to activate additional network services such as 'Call Waiting' or when the phone is connected to an extension of a PABX office system, to access system functions (Call Transfer etc)

**Press the RECALL button** when a recall is required.

Note - If the phone is connected to a domestic telephone line, the Recall selector switch at the rear of the phone should be set to the 'F' (Flash or Timed Recall) position.

**If the product is connected to an extension of an office telephone system (PABX), it is important to ensure that the switch is set to match the Recall of the PABX (either 'F'- Timed Break or 'E'- Earth).**

### Hold

#### **Hold (Handset mode - Mute)**

With the handset lifted,

**Press the HOLD button.** The microphone will be muted so that the other party will not be able to hear you (you will continue to hear the other party). The In-Use light will flash to show the microphone is muted.

To return to the other party

**Press the HOLD button** again.

Note - If the handset is hung up whilst the call is on hold, the Speakerphone - hold mode will be activated.

#### **Hold (Monitor or Headset mode)**


Whilst in the Monitor mode,

**Press the HOLD button.** The 'Music on Hold' melody will be heard from the speaker and the other party will not be able to hear you (you will not be able to hear the other party). The In-Use light will flash to show the microphone is muted.

To return to the other party,

**Press the HOLD button** again.






#### **Adjusting the volume of Music on Hold**

The volume of the music heard from the speaker may be adjusted using the      buttons.

### Handset Volume

The volume of the other party heard through the handset may be adjusted. There are 4 volume levels.

Whilst on a call with the handset lifted,

Press the      buttons. You will hear the volume from the receiver change as you press the button.

Note - the setting will be retained when the call is ended.

## Basic Operation (continued)

### Memories

Up to 12 numbers may be stored in memory (maximum of 32 digits per number).

The digit buttons (0-9, \*, #) are used to hold the stored numbers.

Once stored these numbers may be quickly and easily dialled by pressing 2 buttons.

An index card is provided for recording details of the numbers you store.

#### **Storing Numbers in Memory**

With the phone in the On-Line mode (handset up or Monitor mode)

**Press the STORE button**

**Enter the telephone number you wish to store**



**Press the MEM button**

**Press one of the 12 digit buttons (0-9, \*, #).** (If a number is already stored under the selected button, it will be overwritten)

Enter the details of the stored number on the Index card provided

Note - to delete a number simply store a new number over the old number.

#### **Dialling Numbers from Memory**

**Pick up the handset or press the   button.**

**Press the MEM button.**






**Press the digit button (0-9, \*, #) that holds the number you require.** The number will be dialled.



#### **Adjusting the Ring Volume and Melody**

There are 8 ring volumes and 16 ring melodies.

With the phone in the IDLE mode and no headset connected.

**Press and hold the Volume Up or Down button     .** The ringer sound will be demonstrated

**Use the Volume      buttons** to select the required volume.

**Press the   button** to scroll through the available ring melodies.

Note - leave all buttons un-pressed and the phone will save the settings and return to the Idle mode.

**Do not adjust the Ring Volume or Melody whilst a headset is connected.**