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1. FEATURES

- * Convenient pushbutton Tone dialling
- * Fully modular connection provides maximum ease of installation
- * Telephone line powered, unaffected by mains power interruption
- * Desk mount (or optional wall mount)
- * User selectable ringer volume
- * Dual neon and super bright LED ringer lamp.
- * PBX Recall facility (with selections to suit your PABX system)
- * Last number redial and Pause feature
- * Anti-ring back feature
- * Data jack
- * Message waiting light
- * Hearing aid compatibility.
- * Alpha numeric keypad.
- * Call waiting compatible.

2. GENERAL CONTROLS AND INDICATORS

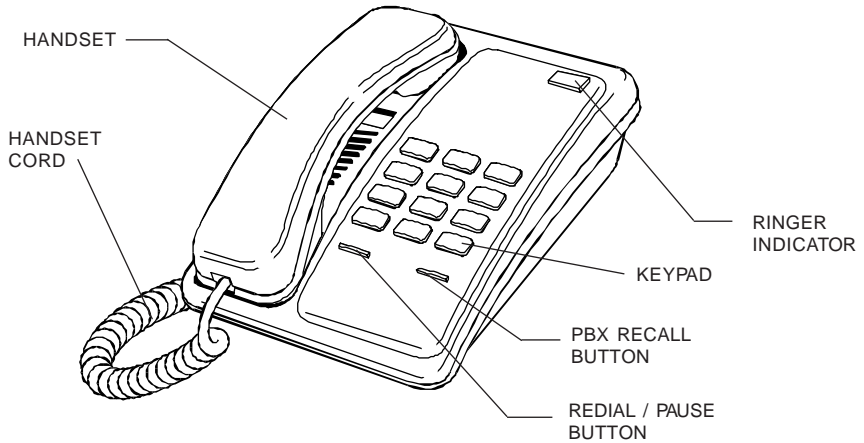
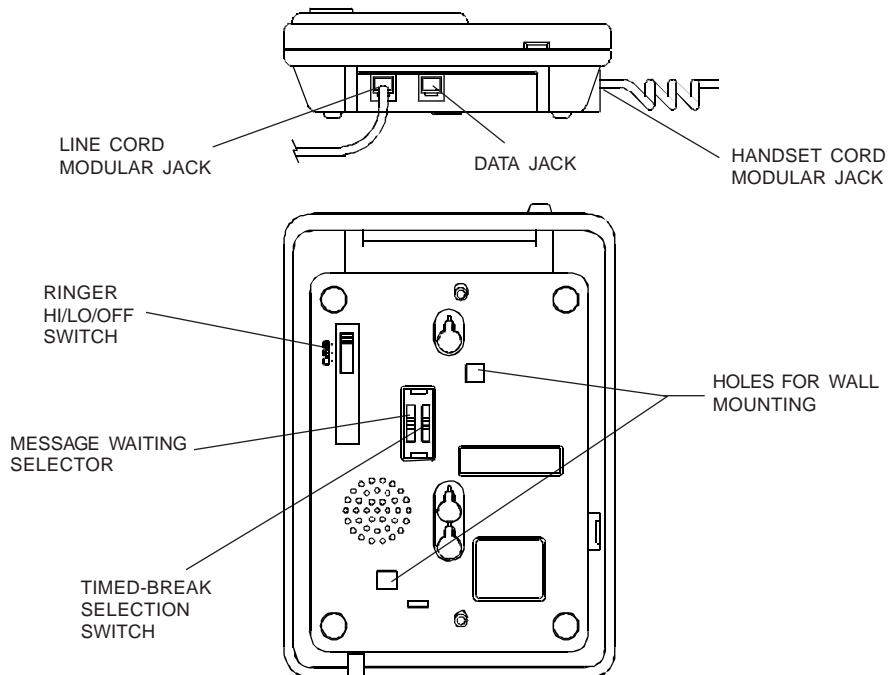


Figure 1



RINGER INDICATOR (MESSAGE-WAITING LIGHT OPTIONAL)

This indicator flashes when the telephone rings with an incoming call. As an option, It also acts as a message waiting indicator (see Technical Adjustments).

RINGER VOLUME SWITCH

The three available positions allow selection of OFF (no sound), LOW volume, and HIGH volume of the telephone's ringing sound during an incoming call.

KEYPAD

The standard alpha-numeric keypad is available for normal dialling.

PBX RECALL BUTTON

For use to invoke special system facilities such as call-hold or call-transfer which may be available in your system.

CRADLE SWITCH

Located in the handset cradle, this plastic lever is depressed by the handset when handset is placed in the cradle.

See the Hang-up function section below.

HANG-UP FUNCTION (ANTI-RING BACK FEATURE)

If the CRADLE SWITCH is tapped or depressed momentarily, the line (and the call) will be released automatically. After a minimum of 1.8 seconds, the dial tone will again be heard and dialling may commence. This function prevents the false transmission of a PBX recall (hook-flash or time-break recall signal) from the CRADLE SWITCH.

CAUTION : Tapping the CRADLE SWITCH as recommended in some PABX User Guides for use with call-hold or call-transfer procedures will not create a hook-flash. Use PBX RECALL BUTTON to invoke PABX features.

DATA JACK

Allows access for notebook computers (see Figure 1 - rear view).

HEARING-AID COMPATIBILITY

Provided as a standard feature for users with a "T switch" type hearing-aid.

REDIAL/PAUSE BUTTON

Depending on how it is used this button functions as either a redial button or a pause button.

REDIAL FUNCTION

The last number dialled, up to 31 digits, will be redialled as if it was dialled via the keypad.

To Redial your last number using the REDIAL/PAUSE BUTTON :

1. If current connection is not yet terminated. Hang-up to terminate current connection.
2. Lift handset.
3. Wait for dial tone.
4. Press REDIAL/PAUSE BUTTON.
5. The telephone will redial the last number (up to 31 digits long).

Note : A Pause command may be required for some telephone systems for Redial to operate correctly. See below.

PAUSE FUNCTION

A pause of 3.6 seconds will be introduced into the dialling sequence. The pause command may be needed if your phone is connected to certain types of telephone systems.

1. Lift HANDSET
2. Dial any digits required before the pause.
3. Press REDIAL/PAUSE,
4. Dial remaining digits.

3. INSTALLATION

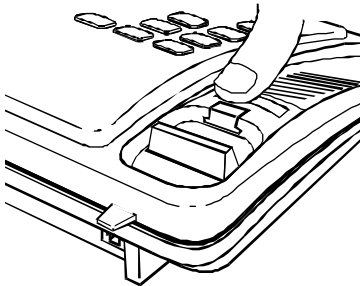
GENERAL

1. Connect the HANDSET CORD and LINE CORD to the appropriate sockets,
2. Connect the telephone to your system,
3. Set the Ringer volume control as desired.

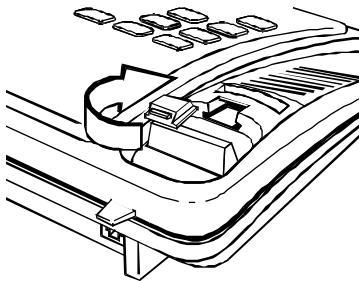
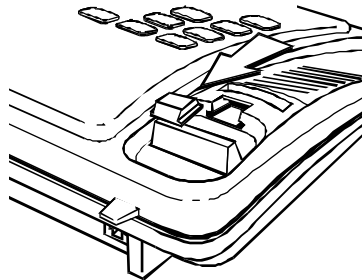
WALL MOUNTING

1. Fit the WALL MOUNT BRACKET to the wall and attach the telephone to it.
2. To enable the HANDSET to be supported in the cradle, follow the procedure shown in Figure 2 to reverse the HANDSET RETAINER.

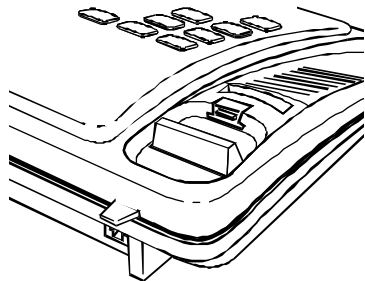
1. Use your thumb to press the
HANDSET RETAINER



2. Push the HANDSET RETAINER
out of the slot



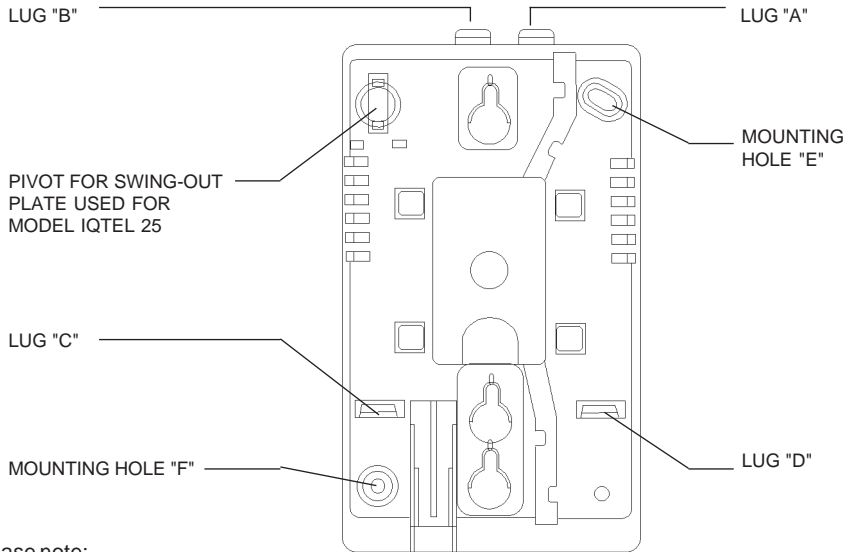
3. Rotate the HANDSET
RETAINER 180°



4. Insert the HANDSET RETAINER
back into its slot

Figure 2 : Wall Mounting

WALL-MOUNT BRACKET (OPTIONAL NOT INCLUDED WITH PHONE)



Please note:

1. This wall bracket may be secured onto the wall by using mounting holes "E" and "F"
2. Lugs to break off before wall mounting the phone.

TELEPHONE MODELS		BREAKOFF LUGS
IQ 90 IQ 250 IQ 350 IQ 450 IQ 550 IQ E2 IQ E3 IQTEL 80 IQTEL 300	IQTEL 500 IQTEL E1 IQTEL E2 IQTEL E3 IQTEL ET	"B" and "D"
IQTEL 25		"A" and "C"
IQ 300 9853 XT 9835 MKII 9836 9837		"A" ONLY

4. TECHNICAL ADJUSTMENTS FOR CORRECT OPERATION

Warning - The following instructions are for an authorised INTERQUARTZ technician or service agent. Alterations should be made with care and proper instructions.

PBX RECALL SETTINGS - REFER TO FIG. 3

To achieve compatibility with all systems, the PBX RECALL BUTTON may be selected to execute different timed-break durations by a switch on the telephone underside.

1. Determine the setting required for your system.
2. Remove the Timed-break Timing switch cover,
3. Set the Timed-break Timing accordingly by sliding the switch to the appropriate position at 600ms or 200ms or 100ms,
4. Replace the Timed-break Timing switch cover,

If in doubt, contact your systems supplier or your INTERQUARTZ dealer.

The telephone, unless pre-set by your dealer / installer, will be factory set at 100ms Timed-break Timing.

MESSAGE WAITING LIGHT - REFER TO FIG. 3

This feature is compatible with most PABX systems on the Australian market, (including : NEC, FUJITSU, ALCATEL and NORTEL).

To select this feature : -

- 1) Disconnect phone from line cord.
- 2) Release plastic cover from the underside of the telephone to expose the message waiting selection switch.
- 3) Select the message waiting (mw) setting.
- 4) Replace the plastic cover and re-connect the line cord.

CAUTION : Please exercise care when adjusting all selectors described above

5. GENERAL CARE AND MAINTENANCE

This telephone is a precision electronic instrument. While in use and storage, care should be taken to avoid rough handling, extreme temperature, and damp or dirty environments.

CLEANING

NEVER use aerosol sprays or other chemical agents or substances which leave a residue (furniture polish for example).

Use a mild detergent and a damp, clean cloth when cleaning. Do not allow moisture to enter the telephone's interior-damage may result!

FAILURE TO OPERATE AND SERVICE DIFFICULTIES

If you are satisfied with the operation of your telephone service, your installation is completed. However, if telephone service problems occur at any time, it is recommended that the installation procedure described in this manual be re-checked.

If a fault occurs, try to determine if the fault is with the telephone, or with the network or system to which the telephone is connected:

- * Disconnect the "suspect" telephone, and test the line with a substitute telephone. If the telephone service then operates satisfactorily, the fault is in the "suspect" telephone.
- * Test the "suspect" telephone on a known good line. If the fault still occurs, the fault is in the "suspect" telephone.

Consult your Interquartz dealer for further advice if necessary.

6. THUNDERSTORMS



The telephone, in common with household electrical appliances, can be a source of electric and acoustic shock during thunderstorms. The possibility of a telephone user experiencing a shock is minimal. Nevertheless, customers should be aware of some simple precautions to follow during thunderstorms :

- * Use your telephone only for calls of the utmost urgency. Keep these calls brief.
- * Whilst using your telephone keep clear of electrical appliances and metal fixtures such as : stoves, air conditioners, refrigerators, window frames and sinks.

7 .WARRANTY

Interquartz (A'Asia) Pty. Limited warrants the original purchaser against faulty material and workmanship for a period of three years.

This warranty excludes damage due to misuse, improper maintenance, lightning strikes or unauthorised repairs or modifications and excludes freight or postage costs to / from your local authorised service centre unless otherwise arranged. Consequential loss not included.

The performance of the telephone may be affected by Electro-Magnetic Interference. If placed in strong magnetic fields generated by equipment such as radio transmitters, diathermic machines, plastic welding machines, faulty power generation equipment etc., under such conditions, INTERQUARTZ (A'ASIA) PTY. LTD. will not be held responsible for the effective performance of the telephone.

8. SERVICE CENTRES

VICTORIA	03-9464-3333
NEW SOUTH WALES	02-9875-4011
QUEENSLAND	07-3808-8008
SOUTH AUST.	08-8269-2555
WESTERN AUST.	08-9249-9569
TASMANIA	03-6231-0888 03-6334-5555 03-6234-7177

BASIC PHONE

MODEL IQ90

OPERATING INSTRUCTIONS

INTERQUARTZ®

Manufactured by
International Quartz Limited

A Subsidiary of Chiaphua Industries Ltd.

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