
**STANDARD
BUSINESS PHONE**

IQTEL80

OPERATING INSTRUCTIONS

INTERQUARTZ®

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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 adjustable earpiece volume control
- Microphone mute button on handset
- User selectable ringer volume and pitch control
- Flashing light indicates incoming call
- PBX Recall facility (with selections to suit your PABX system)
- Last number redial and Pause feature
- Anti-ring back feature

2. GENERAL CONTROLS AND INDICATORS

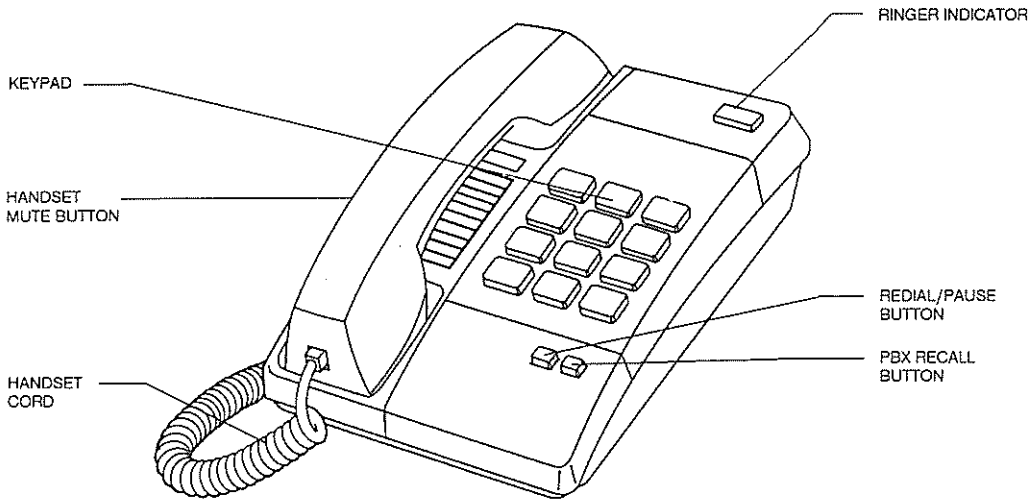
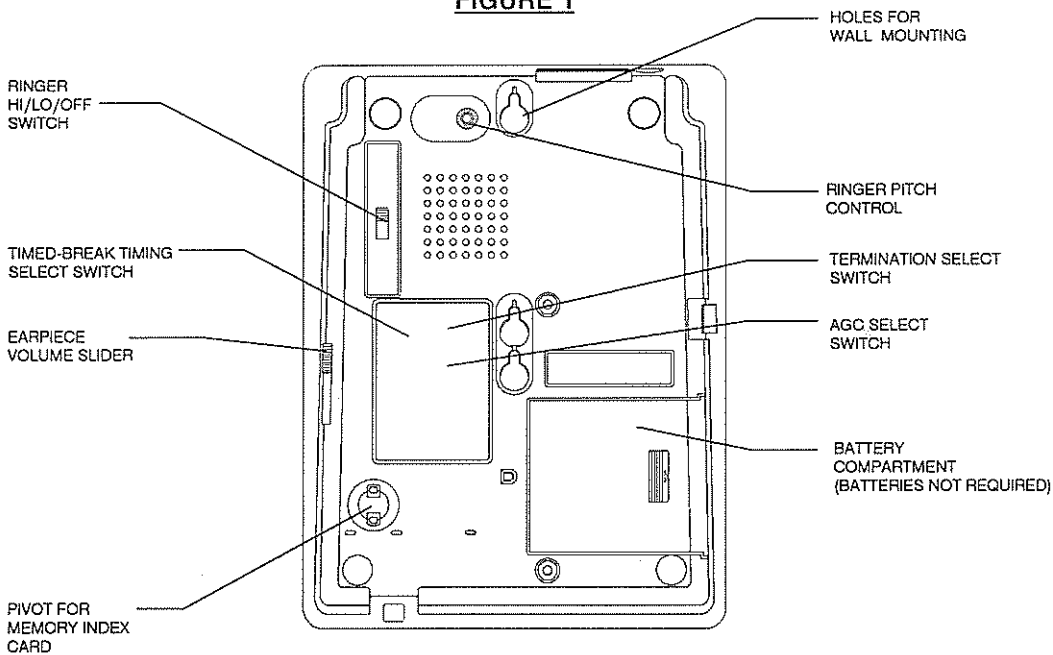


FIGURE 1



Bottom View of IQTEL80

RINGER INDICATOR (MESSAGE-WAITING LIGHT OPTIONAL)

This indicator flashes when the telephone rings with an incoming call. As an option it can be a message-waiting light.

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.

RINGER PITCH CONTROL

Illustrated in Figure 1, the pitch of ringing sound may be altered by rotating the control.

KEYPAD

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

VOLUME SLIDER AND MUTE BUTTON

Volume slider used to adjust the volume of the Earpiece. Set to midway for normal listening level. Press and hold the mute button on the handset to mute the microphone.

PBX RECALL BUTTON

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

NOTE: See the TECHNICAL ADJUSTMENTS section for information regarding the correct settings to achieve compatibility with your PABX before attempting to use the PBX RECALL function.

Check your PABX User Guide, or consult your PABX supplier to determine its proper use with your PABX.

CRADLE SWITCH

Located in the handset cradle, this clear 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 second, the dial tone will again be heard and dialling may commence. This function prevents the false transmission of a PBX recall (hook-flash or timed-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.

MEMORY INDEX CARD

May be used to record your telephone's number and other numbers which you may refer to regularly.
Swing out to view.

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 32 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 32 digits long).

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

Pause Function

A pause of 2 seconds will be introduced into the dialling sequence. The pause command may be needed if your phone is connected to certain types of PABX or to any network where a pause is required.

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

3. INSTALLATION

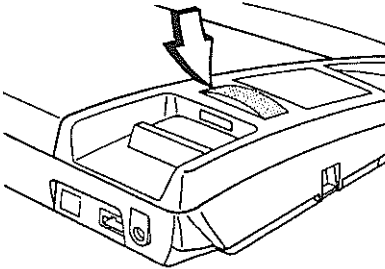
GENERAL

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

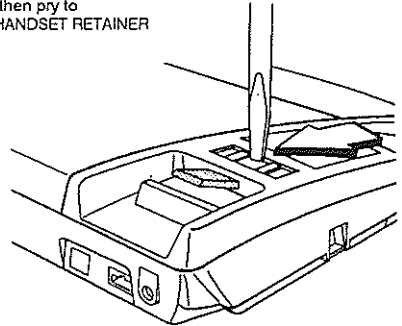
WALL MOUNTING

1. Fit the optional 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.

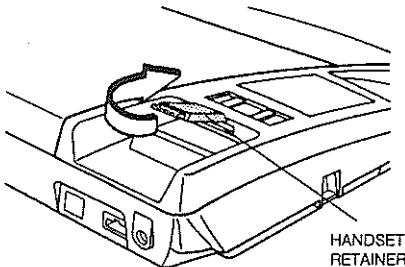
1. Release INTERQUARTZ Name Plate



2. Insert Screw Driver into slot and then pry to release HANDSET RETAINER



3. Rotate retainer 180° and re-insert retainer into slot



4. HANDSET RETAINER

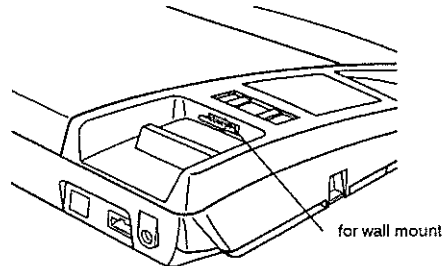


FIGURE 2 : Wall Mounting

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 PABXs, 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 PABX,
2. Remove the Timed-break Timing switch cover,
3. Set the Timed-break Timing accordingly by sliding the switch to the appropriate position at 700ms or 350ms or 200ms or 100ms,
4. Replace the Timed-break Timing switch cover,

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

The telephone, unless pre-set by your dealer / installer, will be factory set at 350ms Timed-break Timing.

COMPLEX / 600 OHMS AND AGC A / AGC B SELECTORS

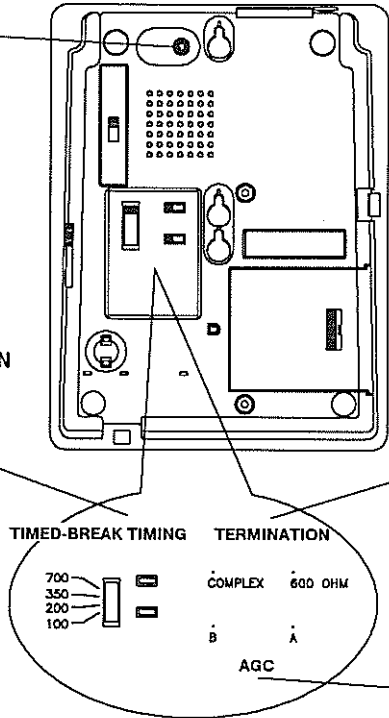
Intended to provide enhanced compatibility with all line conditions, these controls influence the sidetone (the sound of your own voice that you hear in the receiver) of the handset. These selectors, unless pre-set by your dealer / installer, will be factory set to complex and AGC B. These selections should not be altered without prior consultations with your PABX supplier or INTERQUARTZ dealer. Note that for direct lines and PABX outdoor extensions (i.e. any long line extensions) the factory settings should not be altered. If in doubt, contact your INTERQUARTZ dealer. FIGURE 3 describes their locations and settings.

CAUTION: Please exercise care when adjusting all selectors described above as they and their surrounding electronic components maybe damaged by rough treatment. It is also recommended that all adjustments be made with the telephone disconnected from the telephone line.

RINGER PITCH CONTROL

TIMED-BREAK SELECTION SWITCH
All figures shown are in milliseconds

TERMINATION SELECTION SWITCH
To match different PABX and exchange with different termination.



AUTOMATIC GAIN CONTROL SWITCH
Turn to A with low constant current feed PABX or exchange to suppress the high gain transmit and receive.

FIGURE 3

5. GENERAL CARE AND MAINTENANCE

This telephone is a precision electronic instrument. While in use or storage, care should be taken to avoid rough handling, extreme temperatures, 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.

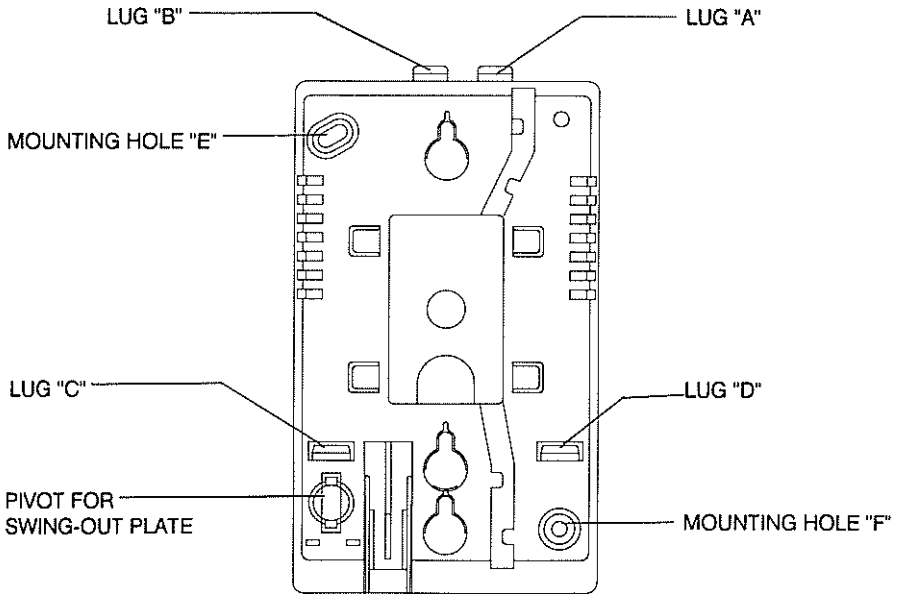
Consult your Interquartz dealer for further advice if necessary.

6. WARRANTY

Interquartz New Zealand Limited warrants the original purchaser against faulty material or workmanship for a period of one year.

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.

WALL-MOUNT BRACKET (OPTIONAL)



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	BREAK OFF LUGS
Model IQTEL 80 / 98380 Model IQTEL 300 / 98381 Model IQTEL E1 / 9838E Model IQTEL ET / 98383 Model IQTEL E2 / 98582 Model IQTEL E3 / 98583	"B" and "D"
Model IQTEL 25 / 9825	"A" and "C"
Model IQ300 / 98353 Model 9835FWA	"A" only