IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

☐ Read and understand all instructions.

☐ Follow all warnings and instructions marked on the product.

☐ Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a soft, damp cloth for cleaning.

☐ Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

☐ Do not place this product on an unstable stand, or table. The product may fall, causing serious damage to the product.

☐ Do not allow anything to rest on the power or line cord. Do not locate this product where the cord will be abused by persons walking on it.

☐ Never push objects of any kind into ventilation slots. Risk of fire or electric shock may result if dangerous voltage points are touched. Never spill liquid of any kind on the product.

☐ Slots and openings in the cabinet and the back or bottom are provided for ventilation, to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

☐ To reduce this risk of electric shock, do not disassemble this product, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect assembly can cause electric shock when the appliance is subsequently used.

☐ Do not use the telephone to report a gas leak in the vicinity of the leak.

☐ During thunderstorms, avoid using telephone except cordless models. There may be a remote risk of electric shock from lightning.
Unplug this product from the wall outlet and refer:

A. When the line cord is damaged or modular plug is damaged or frayed.

B. If liquid has been spilled into the product.

C. If the product has been exposed to rain or water.

D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

E. If the product has been dropped or the cabinet has been damaged.

F. If the product exhibits a distinct change in performance.

Explanation of Symbols

⚠️ Indicates dangerous voltage inside the enclosure, possible electric shock of fire hazard.

⚠️ Indicates important notice of operating or servicing instructions.

**Caution:** To reduce the risk of electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

**Warning:** To prevent fire or shock hazard do not expose this appliance to rain or moisture.

SAVE THESE INSTRUCTIONS
FEATURES AND FUNCTIONS

1. Base Unit

2. Mute Button and LED - Press once to mute the telephone microphone and the LED will light up. Press again to release mute.

3. Redial/Pause Button - Press to redial last number dialled. The same button can be used to store a 3.5 second pause.

4. On-hook Dialling/Headset - Press to enter the on-hook dialing mode or headset mode (when headset had been plugged into the modular jack, it will be changed to headset mode automatically, see also item 10 on Headset/Speaker switch).

5. Over-sized Keyboard - Double injected plastic keys are shaped to fit finger touch.

6. Volume Control - Slide the volume knob against the mark for best level. If you want to boost the receiving sound level, please slide it to maximum.

7. Shift Button - Press first, followed by memory button to access one of the twelve two-touch memories, please refer to operating instructions.

8. Store Button - Press to initiate and to end telephone number storing operation.

9. Transfer Button - Press to generate a hook flash signal, to access telephone company Network Services or to access special PABX functions when connected to a PABX. The hook flash signal is selectable to be 100msec, 300msec or 600ms. (see details on item 32)

10. Headset/Speaker Switch - Select either Headset or on-hook dialling operation mode. When the switch is in "Speaker" position, it is always on hook dialling mode. When it is put in "Headset" position, it is in headset mode when headset is plugged in or otherwise in on hook dialling mode.

11. Ringer Switch (on the side) - Set ringer volume to Hi, Lo or Off.

12. Modular Jack (on base) - For headset connection.

13. Data Port Socket - Data Port Socket used for a fax, modem, laptop, answer machine or cordless telephone. This port acts in parallel to the line.

14. Memory Dialling Buttons - Press to automatically dial a previously stored number. Press directly to dial the phone number stored in the one-touch memory location. Press after pressing SHIFT button to access the number stored in the two-touch memory location, please refer to the operating instructions.
15. Ringing Lamp - Flashes when there is an incoming call. It will also flash on some special message waiting signals.

16. Message Wait Lamp - Message wait lamp will illuminate when a message is left in the voicemail facility of the PABX. The user can call the PABX operator/receptionist or call the voicemail system for any messages. This illumination function will only operate if the PABX has been fitted with this capability. In order to use this feature correctly, the message wait setting must be first set. See item 32 for details.

17. In-use Led - Lights up when telephone is in use.

18. Telephone Directory - Records the names and phone number stored in memory. Shaded area can be used for two-touch memories and white area for one-touch memories.

19. Handset Cradle

20. Telephone Handset

21. Hook Switch (under handset inside the cradle)

22. Wall Mounting Tab (under handset) - Lift and rotate to the wall mounting position, if desired. See installation for wall mount use (page 8)

23. Electronic Tone Ringer - Ringer for incoming calls when ringer switch is set to Hi or Lo.

24. Modular Jack (on base) - For coiled handset cord connection.

25. Modular Jack (on handset) - For telephone line cord connection.

26. Ringer Pitch Control - Adjust the Ringer Pitch by using a screwdriver.

27. Re-set Button - System reset button. If the telephone does not work under some abnormal conditions, push this button once under off hook condition with a small pin.

28. Modular Jack (on base) - for telephone line cord connection.

Telephone Line Cord Channel - Route the telephone line cord in the channel when the phone is wall-mounted.
FEATURES AND FUNCTIONS

30. Wall Mounting Keyholes

31. Bracket - With locking hooks. It can be pressed to lock either in up or low position on the bottom of Base.

32. Dip Switch Door - Access to select the setting of message wait services on various PABX and setting of hook flash timings. See table 1 for details on page 13.

33. Type1/Type2 Switch - This switch will select the type of connection on the headset to be used.

34. Mic Gain Switch - This switch will increase or reduce the microphone gain of the headset.

35. Holes for Wall Mounting Bracket - Snap in the separate plastic Wall Mounting Bracket here, if required.
PACKING LIST

one handset and one base unit
one coiled handset cord
one plastic wall mounting bracket
one user's manual (read carefully and save for future reference)
one 3m line cord modular to modular
one P608M plug
one 7 inches line cord modular to modular

INSTALLATION PRECAUTIONS

1. Never install telephone wiring during a lightning storm.

2. Never install telephone jack in wet location unless the jack is specifically designed for wet locations.

3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

4. Use caution when installing or modifying telephone line.

5. Keep your telephone away from appliances generating electrical noise, such as fluorescent lamps, heaters, motors, computers, TV sets and radios.

INSTALLATION

1. Connecting the handset: Use the coiled handset cord to connect the handset to the base unit. Do not use any handset other than your original handset.

2. Connecting to phone line for desk top use: Use the line cord to connect between the modular jack on the base cradle unit and the telephone socket on the wall.
3. For desktop use: Press and lock the Bracket with the arrows pointing up on the bottom of the base unit. Yours phone can be placed on a desk or table just like any regular telephone.

4. For wall-mount use (over standard USOC RJ-11W modular wall jack): First, install the separate plastic wall mounting bracket as shown. This is a simple snap fit. Using the short line cord, plug one end into the modular jack on the base unit, and route the cord to the bottom centre of the base unit as shown. Plug the free end of line cord into the wall jack. Position the base unit so that the studs on the modular wall jack fit into the two wall mounting keyholes. Once in position, slide the phone down about 1/4 inch to secure the mounting. Lift and rotate the wall mounting tab in handset cradle to the upward protruding wall-mount position. Place handset in the cradle to hang up.

WALL MOUNTING WITHOUT STANDARD WALL PLATE

1. Mount two screws in the wall spaced according to the template on the margin of this page. Leave a clearance about 1/4 inch between each screw head and the wall surface. Select screws of adequate length and size for a good fit into the keyholes of the unit and secured mounting in the wall.

2. Using the long modular line cord, plug one end of the cord into the unit and the other end into the wall jack. Route the cord down the channel on the bottom of the unit as shown.

3. Position the unit so that the screw heads fit into the keyholes on the bottom of the unit. Once in position, slide the phone down about 1/4 inch to secure the mounting. Be sure to lift and rotate the wall mounting tab on the handset cradle to the wall mounting position (protruding upwards).
1. **On first installing**, it is advised to go through one system reset by pushing the reset switch once with a small pin while off hook. See item 27 on the feature list.

2. **Using the On Hook Dialling.** Press On Hook Dialling / Headset button to initiate on-hook dialling (In-use indicator will light up). You will hear a dial tone on the speaker monitor you can then dial out without lifting the handset. Adjust the monitor volume control for optimal loudness. When the call is connected, simply pick up the handset and talk to the other party. Otherwise, press On Hook Dialling / Headset button to end on-hook dialling (In-use indicator will turn off).

   **Note:** To have on hook dialling mode working properly, either the headset must not be plugged in OR the headset/speaker switch must be in speaker position.

3. **Using the Headset.** Plug in the headset to the headset socket. Set the headset/speaker switch to "headset" position and select type 1 or type 2 connection on the type1/type2 switch. Press the On Hook Dialling/Headset button to initiate Headset mode (In-use indication will light up). Adjust the volume for loudness. Press the On Hook Dial/Headset button again to release line.

   **Note:** you may adjust the microphone output of the headset by turning the mic gain switch on the back of the unit. (see item 34 on the feature list)

4. **Receiving a Call.** When the phone rings, simply lift handset or press On Hook Dialling/Headset button (if headset is already plugged in), and answer the call. Be sure ringer switch is set to Hi or Lo if you wish to hear incoming calls ringing.

5. **Redialling the Last Number.** If the number you try to reach is busy, hang up or press the hook switch for at least 2 seconds. To call the busy number automatically again, pick up handset and press REDIAL. (REDIAL can contain up to 32 digits)

6. **Setting Ringer Volume.** Set ringer switch to OFF for no ringing sound when an incoming call comes through. Set ringer switch to Hi or Lo (as desired) if you wish to hear incoming calls ringing.

7. **Setting Ringer Pitch.** You may use a screwdriver to turn the ringer pitch control clockwise or anticlockwise for best ringer pitch.

8. **Using Transfer Button.** Please refer to item 9 on the feature list.
OPERATING INSTRUCTIONS

9. **Store a Number in Memory.** Up to 24 phone numbers (each up to 16 digits including pause and flash) can be stored in memory. These memories are separated into two groups of the twelve, called the one-touch memory group and the two-touch memory group. Each of the twelve one-touch memories is accessed by pressing each of the twelve memory buttons directly. Each of the twelve two-touch memories is accessed by pressing SHIFT first and then followed by each of the memory buttons. The memories are backed-up by internal Lithium battery.

To store a number, lift handset off hook and press STORE to begin storing operation, followed by pressing the phone number desired (this number won't be dialled). End storing sequence by pressing STORE again, following by the memory location you wish to store the number.

**Example 1:** To store phone number 96349811 in the no. 3 one-touch memory, lift handset and press the following buttons.

STORE → 96349811 → STORE → No.3 memory button

**Example 2:** To store phone number 02-96349811 in the no. 2 two-touch memory, lift handset.

STORE → 0296349811 → STORE → SHIFT → No.2 memory button

10. **Example 3:** If your phone is connected to a PABX in the office which requires dialling 0 to access outside line, you can store a phone number 02844-6111 in the no.3 one-touch memory. Press the following buttons:

STORE → 0 → REDIAL/PAUSE → 028446111 →

STORE → No.3 memory button

**Example 4:** If your phone is connected to a PABX in your office which requires dialling 0 to access outside line, you can store a phone number 02-844-6123 in the no. 2 two-touch memory. Press the following buttons.

STORE → 0 → REDIAL/PAUSE → 028446123 →

STORE → SHIFT → No.2 memory button

11. **Dial a Stored Number.** First identify which memory location (one-touch or two-touch) has the number you wish to call. Pick up handset and listen for dial tone. To dial from a one-touch memory, press the corresponding memory button directly. To dial from a two-touch memory, press SHIFT first, and then press the memory button. Stored number is then automatically dialled.

**Example 5:** To dial the stored number 96349811 from Example 1 above, pick up handset, listen for dial tone, and then press no.3 memory button directly.
**Example 6:** To dial the stored number 02-96349811 in Example 2 above, lift handset and listen for dial tone, and then press SHIFT, followed by pressing the no.2 memory button.

12. **Muting The Microphone.** Press MUTE button once, MUTE indicator will light up and the microphone will be muted. To release the mute, press MUTE button again. The microphone is enabled and the light of the mute indicator will go out. The mute will be reset when goes to on hook.

13. **Use of Data Port.** Plug into the data port socket the cord for the equipment to be used. Operate the equipment as normal and independently of the telephone. Do not try to use the telephone whilst the data port socket is in use as this is a parallel connection, unless modification is made.
IF YOU HAVE PROBLEMS

If your telephone does not work properly, go through the following check list before you spend unnecessary time and money for repairs.

1. Is your telephone connected properly?

Make sure all plugs are connected properly. Inspect the line cord connections at the wall jack and the telephone. Also inspect the coiled handset cord connections at both ends.

Try unplugging the telephone and connecting to another Telephone wall socket. If it still does not work, try another telephone. If both telephones don't work, the problem is not in your telephone. The problem may be caused by the telephone network or the wiring in your home.

2. Is the ringer switch set properly?

Ringer switch must be set to HI or LO position in order to hear ringing of incoming calls.

If there are several other telephones on the same phone line, try disconnecting some of the other telephones. Having too many telephones connected can cause problems such as low ringing volume, or impaired sound quality during calls.

3. Have you reset the telephone by pushing the reset button once?

Pick-up handset to go off hook, press the reset button once (see item 27 on the feature list) to reset the system.

4. If the telephone's volume level drops, or it begins to make strange sounds, or does not dial out even though a dial tone is heard, check to see if other phones have been picked up on the same line. Your telephone may not operate properly when other phones are active on the same line (especially in areas with low telephone voltage). Hang up the other phones to correct the problem.

If you still have problems: Disconnect the phone immediately. If other phones on the same line function properly, the problem is in the phone or its installation.
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td>Memory Capacity</td>
<td>16 digits</td>
</tr>
<tr>
<td>Redial Memory Capacity</td>
<td>32 digits</td>
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<tr>
<td>Tone Dialling</td>
<td>Standard DTMF</td>
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<tr>
<td>Dimensions</td>
<td>223 x 172 x 90</td>
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<tr>
<td>Weight</td>
<td>810g</td>
</tr>
<tr>
<td>Accessories</td>
<td>Phone line cords with RJ12 plugs &amp; Australian plug</td>
</tr>
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</table>

**Table 1**

<table>
<thead>
<tr>
<th>Type of PABX &amp; Hook Flash</th>
<th>DIP SWITCH SETTINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S1</td>
</tr>
<tr>
<td>Panasonic</td>
<td>OFF</td>
</tr>
<tr>
<td>Ericsson MD110</td>
<td>OFF</td>
</tr>
<tr>
<td>Siemens Hicom</td>
<td>OFF</td>
</tr>
<tr>
<td>Ericsson 150/250 and GPT Plessey</td>
<td>OFF</td>
</tr>
<tr>
<td>Lucent/AT&amp;T</td>
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</tr>
<tr>
<td>NEC/Alcatel/Fujitsu/Nortel</td>
<td></td>
</tr>
</tbody>
</table>

No Dip Switches settings are required for these systems

<table>
<thead>
<tr>
<th>Flash Duration</th>
<th>S1</th>
<th>S2</th>
<th>S3</th>
<th>S4</th>
<th>S5</th>
<th>S6</th>
<th>S7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash 100ms</td>
<td></td>
<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>OFF</td>
</tr>
<tr>
<td>Flash 300ms</td>
<td></td>
<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>ON</td>
</tr>
<tr>
<td>Flash 600ms</td>
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<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>OFF</td>
</tr>
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</table>

*This phone is to be used on the PABX only*