users guide

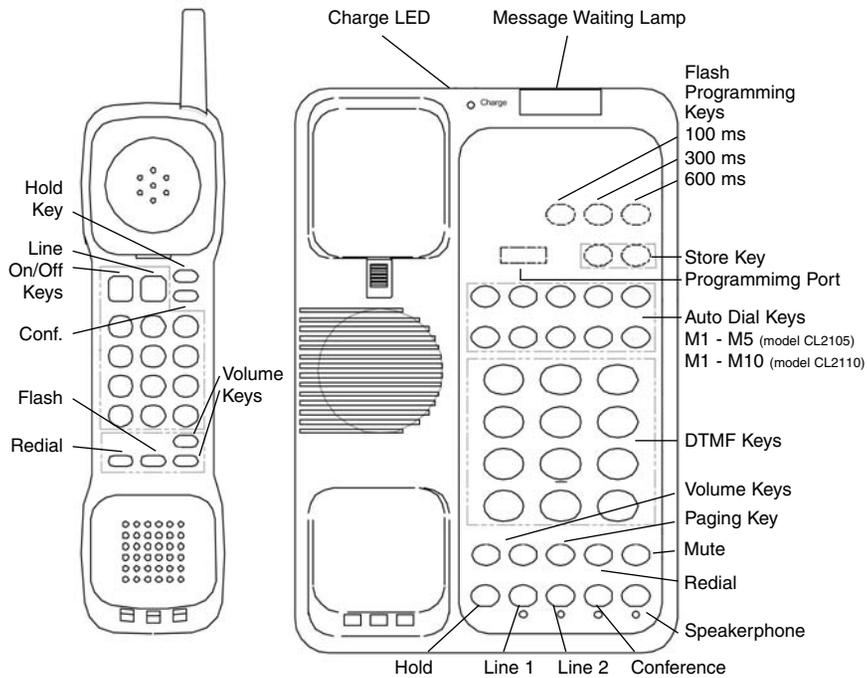## CL2100 SERIES

1.88 to 1.90 GHz

two-line **TELEDEX**
digital
cordless
guestroom
telephone

CL2100 SERIES TELEPHONE DIAGRAM

Charge LED

Message Waiting Lamp

Flash Programming Keys
100 ms
300 ms
600 ms

Store Key
Programmimg Port

Auto Dial Keys
M1 - M5 (model CL2105)
M1 - M10 (model CL2110)

DTMF Keys

Volume Keys

Paging Key

Mute

Redial

Speakerphone

Hold   Line 1   Line 2   Conference

Hold Key

Line On/Off Keys

Conf.

Volume Keys

Flash

Redial

EC DECLARATION OF CONFORMITY

This product has been certified by an independent, accredited test house that it complies with the requirements of the following directives:

- European Community Directive 73/23/EEC and 93/68/EEC, based on the standards:
  EN 60950:1992+A1+A2+A3+A4+A11 / EN 41003:1998
  Test report Nr.: G0M20106-4905-L   Dated: June 19, 2001
- R&TTE Directive 1999/5/EC on the approximation of the laws of the member states relating to network connection and radio spectrum matters, based on the following standards: I-CTR 37 (1998)   TBR 10 (1997)   TBR 6 (1997)
- R&TTE Directive 1999/5/EC and Council Directive 89/336/EEC on the approximation of the laws of the member states relating to electromagnetic compatibility, based on the following standards: EN 301 489-1/-6, EN 50081-1, EN 50082-1

CONGRATULATIONS AND THANK YOU

Congratulations on your purchase of this high-quality, Teledex-made European ETSI DECT-based hospitality guestroom cordless telephone. Teledex LLC is the world's leading hospitality telephone supplier, with over five million phones shipped worldwide. If you have any questions about this telephone, please feel free to contact us via one of the methods below. We appreciate your purchase!

CONTACTING TELEDEX

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            San Jose, CA 95119
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PREPARING TO USE THE CL2100 SERIES TELEPHONE

BASE PREPARATION PROCEDURE

1) Insert either end of the RJ-45 cable into the jack on the back of the telephone labeled "LINE."
2) Insert the other end of the cable into the jack on the AC adapter labeled "PHONE."
Note: The base may emit a "beep" tone when the power is switched on.
3) Insert one end of the RJ-11 line cord into the jack on the AC adapter labeled "LINE."
4) Insert the other end of this line cord into a telephone wall outlet jack.
5) Plug the AC adapter into an available, unswitched electrical wall outlet.
6) Remove the plastic overlay and place the paper faceplate over the keys. Replace the plastic overlay by hooking the tabs on the overlay into the recessed slots located on both sides.
Hint: *The overlay is easiest to insert when the left or right side tabs are inserted first, and the middle of the overlay is slightly bowed to allow for insertion of the other tabs.*

7) Place the cordless handset on the base unit.
Note: The speakerphone may turn on and speakerphone LED illuminate when the base unit is first powered on. Press the Speakerphone "On/Off" button to reset the speakerphone to the off position.

HANDSET PREPARATION PROCEDURE

1) Prepare to install the battery into the handset by first removing the rubber screw cover and the screw beneath. Then firmly press down on the top of the battery compartment cover and slide it towards the bottom of the handset until it is removed.
2) Insert the battery connector into the connector inside the handset.
3) Replace the battery compartment cover, retaining screw and rubber screw cover.
Note: The handset may emit a "beep" tone when the battery is connected. The "ON" key will blink to indicate the handset is searching for the base. It will stop blinking when the handset is registered to base. This is an indication that the telephone is ready to be used. To ensure optimal performance of the telephone charge the battery overnight. See charging details under "Charging the Battery."

BASE – HANDSET REGISTRATION PROCEDURE (FOR HOTEL TECHNICAL SERVICE PERSONNEL ONLY)

To register the CL2100 series handset to the base:
1) Press and hold the "CONF" key until a running light appears on the handset "Line 1," "Line 2" and "CONF" LED's.
2) Press the numbers 4, 5 and 6 (in sequence) on the keypad. The "Line 1," "Line 2" and "CONF" LED's will be flashing. Immediately press and hold both the "PAGE" key and the "HOLD" key on the base simultaneously, until two continuous beeps are heard from the base unit. When a link between the base and handset is established, the "Line 1" and "Line" 2 LED's on handset will be in a steady "on" state. When both LED's turn off, the registration procedure is completed.
3) To confirm the handset is successfully registered to the base, press the "PAGE" key on the base. The handset will beep for a short period. The handset will stop beeping if it is answered, by pressing the "Line1" or "Line 2" keys on the handset, or by pressing the "PAGE" key on the base again.

CHARGING THE BATTERY

The rechargeable Nickel Metal Hydride battery must be fully charged before using the phone for the first time. It is recommended that the battery pack be charged overnight

(or for at least 12 hours) without interruption before the first use.

To charge the battery, place the handset, keypad down, in the base unit. Ensure that the "CHARGE" LED on the base illuminates. If the LED does not light, check the following:

1) Ensure that the AC adapter is plugged into a working, unswitched AC outlet, and that the RJ-45 cord is plugged into both the telephone and the AC adapter in the phone position.
2) Ensure that the contacts on the bottom of the handset are making good contact with the base unit charging contacts.

CLEANING THE BATTERY CONTACTS
To maintain the handset in fully-charged condition, it is important to clean all charging contacts on the handset and base unit. Use a pencil eraser or other contact cleaner. Do not use any liquids or solvents to clean these contacts.

ADJUSTING THE BASE RING VOLUME
To adjust the ringer volume of the base unit, locate the respective "Line Ringing Volume" adjustment control on the back of the telephone labeled "RINGER LOW/HI." Slide the switch to the desired setting.

ADJUSTING THE HANDSET RING VOLUME
The handset ring volume can be adjusted by pressing the volume "UP" and "DOWN" keys on the handset during the ringing or idle mode.

ADJUSTING SPEAKERPHONE VOLUME
To adjust the speakerphone volume, press the volume "UP" and "DOWN" keys on the base unit. Press volume "UP" key to increase the volume level. Press the volume "DOWN" key to decrease volume level.

ADJUSTING HANDSET RECEIVE VOLUME
To adjust the handset receiver volume, press volume "UP" and "DOWN" keys on the handset while the handset is on line. Volume control is also available during mute.

LIGHTED KEYPAD
The keypad on the handset will illuminate if one of the keys is pressed. It will turn off after a few seconds. If the "ON" key is pressed, the keypad will illuminate and then go off after a few seconds, except the "ON" key. This is to indicate that the phone handset is on. The light will turn off when the "OFF" key is pressed.

LOW BATTERY INDICATOR
When the handset battery level is low, the LED indicator will blink when the phone is not in use. When the phone is in use, the LED will blink and the handset will emit a beep tone. Return the handset to the base cradle for recharging as soon as is practical.

PROGRAMMING THE HOTEL SERVICES DIRECT ACCESS KEYS
The CL2100 series has either five (model CL2105) or ten (model CL2110) programmable hotel services direct access (or auto dial) keys (M1-M5/M10.) These keys can be programmed to automatically dial telephone numbers or activate telephone system features.

These keys can only be programmed from the base unit. To program the keys, follow these steps:

1) Connect the CL2100 series to a working telephone line.
2) Press the either "Line 1" or "Line 2" key on base unit. The LED for the line selected will illuminate, indicating its selection.
3) Press the "STORE" key. (This is a hidden key; for key location, please refer to the diagram on the inside front cover of this user guide.)
4) Enter the target telephone number, including "PAUSE" as required. The number sequence can be up to 32 digits long.

Note: (A pause may be stored in the memory dial sequence, but it may not be the first digit. Flash may not be stored in a memory dial sequence.)

5) Press the "STORE" key again.
6) Press the auto dial key where the number is to be stored.
7) Press the "SPEAKERPHONE" key to disconnect. The selected line's LED will turn off, indicating completion of programming.

SELECTING LINE 1 AND LINE 2
The patented PrimeLine/RingLine Select™ feature of the CL2100 series makes selecting the correct line as easy as picking up the handset or engaging the speakerphone. This feature prioritizes the ringing or idle line. To manually select another line, press the key ("Line 1" or "Line 2") that corresponds to the desired line.

RECEIVING A CALL USING THE HANDSET
When the CL2100 series receives an incoming call, both the base and handset will emit an audible ringing tone. The message LED and the "ON" key LED on the handset will be flashing, following the ring cadence.

To receive the call with the handset not on the base cradle:
1) Pick up the handset.
2) Press the "LINE" key associated with the ringing line, indicated by the blinking LED.
3) The proper "LINE" LED will illuminate.
4) To end the call, place the handset on the base cradle, or press the "LINE" on/off key.

To receive the call with the handset on the base cradle:
1) Pick up the handset.
2) The handset will automatically answer the call and the appropriate "LINE" LED will illuminate.
3) To end the call, place the handset on the base cradle, or press the "LINE" on/off key.

RECEIVING A CALL USING THE SPEAKERPHONE
1) Press the "SPEAKERPHONE" key on the base unit. The speakerphone will answer the call. The "SPEAKERPHONE" LED will turn on to indicate that speakerphone is activated.
2) To end the call, press "SPEAKERPHONE" key again. The "SPEAKERPHONE" LED will turn off.

TO PLACE A CALL USING THE HANDSET
1) Press the desired "LINE" key on the handset. The LED will illuminate.
2) Listen for dial tone, then dial the desired number.
3) To end the call, press the "LINE" key for that line. The LED will turn off.

TO PLACE A CALL USING THE SPEAKERPHONE
1) Press the "SPEAKERPHONE" key. The "SPEAKERPHONE" LED will illuminate.
2) Listen for dial tone, then dial the desired number.

3) To end the call, press the "SPEAKERPHONE" key again. The "SPEAKERPHONE" LED will turn off.

TO MAKE A CALL USING THE HANDSET, WHILE DIALING WITH THE BASE KEYPAD
1) Pick up the handset and press the desired "LINE" key. The LED will illuminate.
2) Listen for dial tone, then dial the desired number using base keypad.
3) To end the call, place the handset on the base cradle or press the "LINE" on/off key for the active line.

USING THE HOTEL SERVICES DIRECT ACCESS (AUTO DIAL) KEYS
Using the speakerphone:
1) Press "SPEAKERPHONE" key. The "SPEAKERPHONE" LED will illuminate.
2) Listen for dial tone, then dial the desired number by pressing the hotel services direct access key where the number was stored.
3) To end the call, press "SPEAKERPHONE" key again. The "SPEAKERPHONE" LED will go out.

Using the handset:
1) Pick up the handset and press a "LINE" key. The LED will illuminate.
2) Listen for a dial tone, then dial the desired number by pressing the hotel services direct access key on the base where the number was stored.
3) To end the call, press the handset "LINE" key for the active line. The LED will go out.

CONFERENCE CALLS
The "CONFERENCE" key allows the user to include two other parties in a three-way phone conversation. Typical conference calls would be:

a) User initiates two calls
b) User initiates one call after receiving a call
c) User includes two callers

User initiates two calls:
1) Place call to first party.
2) Place the first party on hold by pressing the "HOLD" key.
3) Place call to second party using the available, unused line.
4) Press the "CONFERENCE" key. The parties will be connected.

User initiates one call:
1) Receive call from first party.
2) Place caller on hold by pressing the "HOLD" key.
3) Place call to second party using the available, unused line.
4) Press the "CONFERENCE" key. The parties will be connected.

User includes two callers:
1) Receive call from first party and place it on hold.
2) Receive call from second party.
3) Press the "CONFERENCE" key. The parties will be connected.

TERMINATING A CONFERENCE CALL
Pressing either "LINE" key will maintain the connection with the selected line while dropping the other. Pressing the "CONFERENCE" or "SPEAKERPHONE" key will disconnect both lines.

LAST NUMBER REDIAL ON BASE
1) Press the "SPEAKERPHONE" key. The "SPEAKERPHONE" LED will illuminate.
2) Press the "REDIAL" key, and the telephone will dial the last number dialed.
3) To end the call, press "SPEAKERPHONE" again. The "SPEAKERPHONE" LED will turn off.

LAST NUMBER REDIAL ON THE HANDSET
1) Pick up the handset and press the a "LINE" key. The LED will illuminate.
2) Press the "REDIAL" key, and the telephone will dial the last number dialed.
3) To end the call, press the "LINE" key again. The LED will turn off.

FLASH ON BASE AND HANDSET
The "FLASH" key is dedicated to perform a timed hookflash.
<u>***Note:***</u> *There are three flash programming keys (recessed) to select different flash times (100/300/600 ms.) See diagram inside front cover for more information.*

TO MUTE THE SPEAKERPHONE
1) Press the "MUTE" key on base. The "MUTE" LED will illuminate, to indicate that mute is active.
2) Press the "MUTE" key again to disable mute. The "MUTE" LED will turn off.

PAUSE
Pause can be entered during off-hook manual dialing and chain dialing. This is a means of allowing a complex number to be redialed. Pause has been inserted for the handset and the base. Pause can be stored into the memory of hotel services direct access keys.

PAGING
This key initiates a handset page. When paging is active, the handset will beep. The message LED and the "ON" LED key on the handset will flash. To page:
1) Press "PAGE" key on the base. The handset will beep.
2) The handset will stop beeping if answered, by pressing "ON" or "OFF" key on the handset, or by pressing the "PAGE" key on the base again.
<u>***Note:***</u> *The handset will not beep if the handset is in use. If the page is stopped by pressing the "ON" or "OFF" key within 30 seconds of receipt of the page from the base, the handset cannot receive another page immediately.*

MESSAGE WAITING CONFIGURATION
When a voice message waiting signal is received, the message-waiting LEDs on both the handset and base will blink. Both LEDs will turn off once the message has been retrieved.

To configure message waiting mode for **Siemens system**:

1) Press and hold "Line 1" key on base. Plug in the power supply socket; you will hear two beeps.
2) Release "Line 1" key; when you hear two beeps, the set is in Siemens MW mode.

To configure message waiting mode for **non-Siemens systems**:

1) Press and hold "Line 2" key on base. Plug in the power supply socket; you will hear two beeps.
2) Release "Line 2" key; when you hear two beeps, the set is in non-Siemens MW mode.

REPLACEMENT PARTS

Additional battery packs and replacement handsets for the CL2100 series are available from Teledex. When ordering, please specify the telephone model and quantity desired.

BATTERY DISPOSAL INFORMATION

When disposing used or expired battery packs, please observe local industrial and consumer waste disposal practices, rules and regulations. Under no circumstances, dispose the battery pack(s) in a flammable and/or combustible trash receptacle.

USER SAFETY STATEMENT

Excessive and prolonged use of radio/wireless telephones may negatively impact operator health. Cordless telephones emit electromagnetic radiation, which may affect human tissue. In 2000, a United Kingdom government-sponsored scientific inquiry warned children to avoid excessive use of mobile phones. Additional research on this subject is being conducted by scientists and healthcare professionals worldwide.

IMPORTANT SAFETY INSTRUCTIONS

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

1) Read and understand all instructions.
2) Follow all warnings and instructions marked on the product.
3) Unplug the product from the wall outlet before cleaning. Do not use liquid cleaner or aerosol cleaners. Use a damp cloth for cleaning.
4) Do not use this product near water, for example near a bathtub, wash bowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
5) Do not place this product on an unstable cart, stand or table. The product may fall, causing serious damage to the product.
6) Slots and openings in the cabinet are provided for ventilation, to protect the telephone from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug or a 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.
7) Never push objects of any kind into this product through cabinet slots, as they may touch dangerous voltage points or cause a short circuit that could result in fire or shock. Do not spill liquid of any kind on the product.
8) To reduce the risk of electrical shock, do not disassemble this product. Take it to a qualified serviceperson when service or repair work is required. Opening or removing covers can expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
9) Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
   • When the power supply cord or plug is damaged or frayed.
   • If liquid has been spilled into the product.
   • If the product has been exposed to rain or water.
   • If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as improper adjustment of other controls may result in damage and may require extensive work by a qualified technician to restore the product to normal operation.
   • If the product has been dropped or the cabinet has been damaged.
   • If the product exhibits a distinct change in performance.
10) Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a risk of electrical shock from lightning.
11) Do not use the telephone to report a gas leak while you are in the vicinity of the leak.
12) Do not dispose of batteries in fire as they may explode. Please dispose of batteries in an acceptable trash receptacle.