

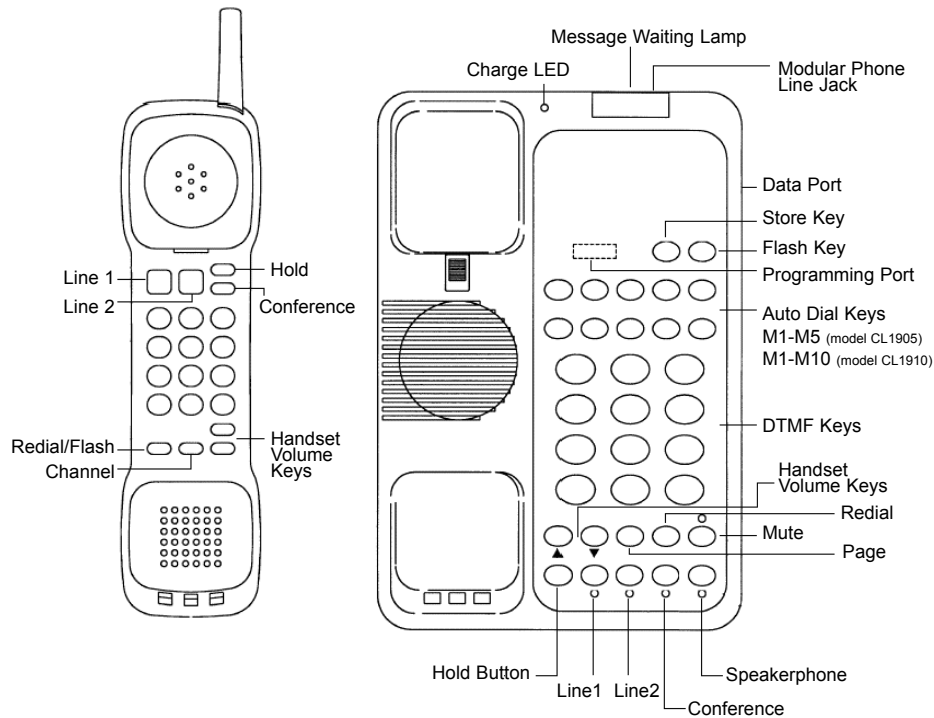
# CL2900 SERIES USERS GUIDE



**900 MHz Two-Line  
Cordless Guestroom Telephone**

**TELEDEX**

# CL2900 SERIES TELEPHONE DIAGRAM



## CONTACTING TELEDEX

Telephone: (408) 363-3100  
 Mail: 6311 San Ignacio Avenue  
 San Jose, CA USA 95119  
 Internet: www.teledex.com  
 email: sales@teledex.com

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## INCLUDED IN YOUR PACKAGE

Cordless Handset  
 NiMH Battery  
 Rubber Battery Screw Cover  
 Phillips Screw  
 Base Unit  
 AC Adapter  
 10 foot, 4 Wire RJ- 11 Line Cord  
 15 foot, 8 Wire RJ- 45 Cable  
 Clear Plastic Overlay  
 User Guide

## PREPARING TO USE THE CL2900 SERIES TELEPHONE

1. Prepare to install the battery into the cordless handset by firmly pressing down on the top of the battery cover and sliding it off.
2. Locate the lightly embossed numbers "1" and "2" on the battery's plastic connector.
3. Insert the battery connector into the Handset's connector with the embossed numbers facing up.  
**Note:** The handset may "beep" when the battery is connected. This is not an indication that the telephone is ready to use. To obtain optimal performance of the telephone, be sure to charge the battery for 15 to 20 hours.
4. Replace the battery compartment cover and retaining screw.
5. Insert the provided rubber screw cover.
6. Turn the telephone Base so the back panel is facing you. Insert either end of the RJ-45 cable into the jack on the back of the telephone labeled LINE.
7. Insert the other end of the cable into the jack on the AC adapter labeled PHONE.
8. Insert one end of the RJ-11 line cord into the jack on the AC adapter labeled LINE.
9. Insert the other end of this line cord into a telephone wall outlet jack.
10. Plug the AC adapter into an available, unswitched electrical wall outlet.
11. Once your telephone is connected, remove the plastic overlay by hooking the tabs on the overlay into the recessed slots located on both sides. 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.
12. Place the Cordless Handset on the Base Unit.

## 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 that battery pack be charged for approximately 15 - 20 hours, without interruption, before use.

To charge the battery, place the Handset, keypad down, in the base unit. Make sure the "Charge" LED on the base lights. If the LED does not light:

1. Check to see if the AC adapter is plugged in
2. The AC adapter is NOT plugged into a switched outlet,
3. The Handset bottom is making good contact with the Base Unit charging contacts.

## CLEANING THE BATTERY CONTACTS

To maintain a good charge, 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.

## ADJUSTING THE 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 (see diagram on page 9). Slide the switch to the desired LOW or HI ring volume for each line.

## ADJUSTING SPEAKERPHONE VOLUME

The SPEAKERPHONE has eight (8) levels. When the speakerphone is activated, the volume is set at Level Six (6).

Locate the VOLUME keys, labeled "-" and "+" at the bottom of the phone. Pressing the "-" key decreases the volume level while pressing the "+" key will increase it. Disconnecting the call for over ten seconds will reset the volume to Level Six (6). If the speakerphone is off for less than two seconds, the volume will not be reset and continue to be set at the last used volume level.

## ADJUSTING HANDSET RECEIVE VOLUME

The Handset has four (4) levels. When the Handset is activated, the volume is set at Level Two (2). Locate the VOLUME keys, labeled "-" and "+" at the bottom of the phone. Pressing the "-" key decreases the volume level while pressing the "+" key will increase it. Disconnecting the call for over two seconds will reset the volume to Level Two (2). If the Handset is off for less than two seconds, the volume will not be reset and continue to be set at the last used volume level.

## AUTO-DIAL KEY PROGRAMMING

The CL2905 has five (5) programmable AUTO DIAL keys and the CL2910 has ten(10). These keys can be programmed to automatically dial telephone numbers, or activate telephone system features.

### PROGRAMMING AUTO DIAL KEYS:

The Auto Dial keys can only be programmed from the base unit.

1. Connect the CL2910/2905 to a live telephone line.
2. Press the SPEAKERPHONE key.
3. Press the recessed STORE key and release it. (Please see diagram on page 9 for key location).
4. Enter the telephone number including PAUSE\* as required. The sequence can be up to 15 digits including PAUSE and FLASH.
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.

\*A 3.6 second pause is entered in a dialing sequence by pressing the REDIAL key for each PAUSE required.

## SELECTING LINE 1 AND LINE 2

The Cordless' PrimeLine/RingLine Select feature makes selecting the correct line as easy as lifting the handset. This feature prioritizes the ringing or idle line and reduces the confusion of line selection.

## RECEIVING A CALL

An audible ring and flickering red LED indicate an inbound call.

### USING THE CORDLESS HANDSET

1. Pick up the Handset.
2. Press the line key associated with the ringing line. The Handset will go off hook answering the ringing line.
3. To end the call place the Handset in the base or press the lit line key on the Handset.

### USING THE CORDLESS HANDSET FROM THE BASE

1. Lift the Handset. The Handset will automatically connect the ringing line.
2. To end the call replace the Handset in the base or press the lit line key on the Handset.

### USING THE SPEAKERPHONE

1. Press the line key associated with the ringing line. The speakerphone will go off hook answering the ringing line.

#### OR

2. Press the SPEAKER key. The telephone will select the ringing line and answer with the speakerphone active.

**Note:** The red SPEAKER LED will indicate that the speakerphone is active.

## PLACING A CALL

### USING THE HANDSET

1. Press the LINE 1 or LINE 2 key. The telephone will go off hook on the selected line.
2. Listen for dial tone, dial the desired number.
3. To end call the call press the LINE key again.

### USING THE SPEAKERPHONE

1. Press the LINE 1 or LINE 2 key. The telephone will go off hook on the selected line with speakerphone active.

#### OR

Press the SPEAKER key. The telephone will select the appropriate "idle" line.

**NOTE:** The red SPEAKER LED will indicate that the speakerphone is active.

2. Listen for dial tone, dial the desired number, or press an AUTO DIAL key to automatically dial a number.
3. To end call the call press the SPEAKER key again.

## REDIAL ON BASE

Dials the last number dialed.

## REDIAL/FLASH ON HANDSET

Dials the last number dialed when a new call is being made. During a call, this button will initiate a 600 ms hook flash when pressed.

## CONFERENCE

The CONFERENCE key allows the user to originate or include two parties in a three-way phone conversation. Typical conference calls would be;

- User initiates two (2) calls
- User initiates one (1) call after receiving a call
- User includes two (2) callers

### USER INITIATES TWO (2) 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 CONF key. The parties will be connected.

### USER INITIATES ONE (1) 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 CONF key. The parties will be connected.

### USER INCLUDES TWO (2) CALLERS:

1. Receive call from first party, put on hold.
2. Receive call from second party.
3. Press the CONF 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 CONFERENCE or SPEAKERPHONE will disconnect both lines.

## USING THE HOLD KEY

The HOLD key places the call on hold locally at the cordless telephone.

### TO PLACE A CALL ON HOLD

1. With a call active press the red HOLD key on either the Handset or Base Unit.
2. The red line LED will change to a slow blink indicating the call is on hold.
3. If a conference call is active, pressing HOLD will place all connections on hold.

### TO REMOVE A CALL FROM HOLD

1. Press the line key of the call on hold. This will remove the call from hold making the call activate on either speakerphone or Cordless Handset.
2. The red line LED will return to the non-blinking in-use condition.
3. During a conference call, to remove both lines, press the CONFERENCE key.

### TO CHANGE PHONES AFTER PLACING A CALL ON HOLD

1. Place the call on hold.
2. Pickup the call at another telephone. The telephone will detect the pickup and remove the hold condition at the original telephone.

## TO MUTE THE SPEAKERPHONE

1. Press the MUTE key on the BASE. The red LED above the MUTE key will light. The

party on the other end will not hear you when the MUTE key is depressed.

2. Press the MUTE key again to turn off the mute feature, the MUTE LED will go out.

## MESSAGE WAITING INDICATOR

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.

## CONVERTING FROM DESK TO WALL MOUNT

The cordless telephone can be changed for wall mounting applications. The conversion is easiest when the handset and cords are not connected.

1. Located on the top of the telephone above the speaker grill is the wall/ desk mount clip. Remove this clip by firmly pushing upward (towards the hookswitch).
2. Flip the clip over (top to bottom) so that the protruding edge is towards the top of the phone. This edge will hold the handset.
3. Turn the telephone over so the bottom is up facing you. Place it on a nonabrasive surface to prevent scratching.
4. Locate and remove the mounting bracket, firmly push back and pull up to remove two of the four retaining tabs.
5. Rotate the mounting bracket 180 degrees clockwise so that the mounting eyelet on the bracket is facing in the same direction as the other mounting eyelet located on the bottom of the telephone.
6. Insert the top two retaining tabs of the mounting brackets into the mounting bracket slots (located near the middle of the telephone). Then firmly push down to insert the retaining tabs on the opposite side of the mounting bracket.
7. Connect a 15 foot RJ-45 cord into the jack on the back of the phone (labeled LINE).
8. Turn the telephone over, and slide the telephone down onto the mounting posts in downward direction. Both eyelets should line up with the mounting posts.

## REQUIREMENTS OF PART 68 - FCC RULES

This device has been granted a registration number by the Federal Communications Commission, under Part 68 rules and regulations for direct connection to the telephone lines. In order to comply with these FCC rules, the following instructions must be carefully read and applicable portions followed completely:

1. Direct connection to the telephone lines may be made only through the standard modular cord finished, to the utility installed jack. No connection may be made to party or coin phone lines. On the bottom of the phone is a label that contains among other information, the FCC Registration Number and the Ringer Equivalence number (REN) for this equipment. If requested this information must be provided to the telephone company. The USOC Jack for this equipment is RJ11C.
2. The telephone company, under certain circumstances, may temporarily discontinue and make changes in facilities and services which may affect the operation of the users' equipment: however, the user shall be given adequate notice in writing to allow the user to maintain uninterrupted service.
3. In certain circumstances, it may be necessary for the telephone company to request information from you concerning the equipment which you have connected to your telephone line. Upon request of the telephone company, provide the FCC registration number and the ringer equivalence number of the equipment which is connected to your line; this information will be found on the device.
4. If any of your telephone equipment is not operating properly, you should immediately remove it from the telephone line. It may cause harm to the telephone network.
5. If the telephone company notes a problem, they may temporarily discontinue service. When practical, they will notify you in advance disconnection. If advance notice is not feasible, the telephone company must; promptly notify you of such temporary discontinuance; afford the opportunity to correct the condition; inform you of your rights to bring a complaint to the FCC under their rules.
6. Repairs to the device may be made only by the manufacturer or an authorized service agency. This applies at any time during and after warranty. If unauthorized repair is performed, registration, connection to the telephone lines and remainder of warranty period all become null and void.
7. This equipment is hearing aid compatible.
8. This telephone must be connected behind a PBX.

## REQUIREMENTS OF PART 15 - FCC RULES

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is not a guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -Move the telephone away from the receiver. - Consult the dealer or an experienced radio/TV technician for help. Any changes made by the user not approved by the manufacturer can void the user's authority to operate the telephone.

### INDUSTRY OF CANADA REQUIREMENTS

NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements documents. The department does not guarantee the equipment will operate to the users satisfaction. Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment. Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe systems, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority or electrician, as appropriate.

The Ringer Equivalence Number (REN) of this device is Z.

Notice: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5. This telephone connects to the telephone network under the connecting arrangement code CA11A.

## 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:

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 OR 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 AND THE BACK OF 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 THE BED, SOFA, RUG OR ANY 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.
7. NEVER PUSH OBJECTS OF ANY KIND INTO THIS PRODUCT THROUGH CABINET SLOTS AS THEY MAY TOUCH DANGEROUS VOLTAGE POINTS OR SHORT OUT PARTS THAT COULD RESULT IN A RISK OF FIRE OR ELECTRIC SHOCK. NEVER SPILL LIQUID OF ANY KIND ON THE PRODUCT.
8. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT DISASSEMBLE THIS PRODUCT BUT TAKE IT TO A QUALIFIED SERVICEMEN WHEN SOME SERVICE OR REPAIR WORK IS REQUIRED. OPENING OR REMOVING COVERS MAY EXPOSE YOU TO DANGEROUS VOLTAGES OR OTHER RISKS. INCORRECT REASSEMBLE 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 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.
  - IF THE PRODUCT HAS BEEN DROPPED OR THE CABINET HAS BEEN DAMAGED.
  - IF THE PRODUCT EXHIBIT A DISTINCT CHANGE IN PERFORMANCE.
10. AVOID USING A TELEPHONE (OTHER THAN A CORDLESS TYPE) DURING AN ELECTRICAL STORM. THERE MAY BE A REMOTE RISK OF ELECTRIC SHOCK FROM LIGHTNING.
11. DO NOT USE THE TELEPHONE TO REPORT A GAS LEAK IN THE VICINITY OF THE LEAK. SAVE THESE INSTRUCTIONS

**PLEASE SAVE THESE INSTRUCTIONS FOR REFERENCE**