iPhone TELEDEX ™

SIP LD4100/4200 Series User Guide

For Models
SIP LD4105S, SIP LD4110S
SIP LD4205S, SIP LD4210S

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 AEROSOLCLEANERS. 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 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 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 QUALIFIED SERVICE PERSONNEL WHEN SOME SERVICE OR REPAIR WORK IS REQUIRED. OPENING OR REMOVING COVERS MAY 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 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 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 ELECTRIC SHOCK FROM LIGHTNING.

NOTICES

REQUIREMENTS OF PART 15 - FCC RULES

NOTE: This equipment has been tested and found to comply with the limits for a Class A 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 instructions, may cause harmful interference to radio communications. However, there is no 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: a) move the telephone away from the receiver; b) 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.

TABLE OF CONTENTS

1. Introduction to the Teledex iPhone SIP LD Series IP Phone

The Teledex iPhone SIP LD series IP phone is a SIP-compliant network terminal. Instead of using standard analog or digital telephone lines, it connects to the network in the same manner as computers and printers do. The voice and control signals to and from the SIP LD series phones are entirely digital data that is transmitted over the data network, rather than phone lines.

1.1 Definitions, Acronyms and Abbreviations

PoE: Power over Ethernet

VoIP: Voice over IP

IP-PBX: IP-based Private Branch Exchange

PSTN: Public Switched Telephone Network

SIP: Session Initiation Protocol

TFTP: Trivial File Transfer Protocol

DTMF: Dual Tone Multiple Frequency

1.2 The SIP LD Series Woks Like a Telephone

The SIP LD series phone functions in a manner very similar to analog or digital telephone instruments that are connected to a PABX (private automatic branch exchange.)

1.3 Two Lines

The SIP LD series can handle one or two calls simultaneously, much like a standard "two-line" analog or digital telephone. However, there is only one line (or cable) connecting the SIP LD series to the network.

1.4 The Network

Instead of telephone lines, the SIP LD series connects to other IP telephones via an Ethernet network.

1.5 The IP-PBX

An IP-PBX is a telephone switching system inside that switches calls between Voice over IP (VoIP) users on local lines, and lets all users share a certain number of external telephone lines. The typical IP-PBX can also switch calls between a VoIP user and a traditional telephone user, or between two traditional telephone users much like a conventional PBX does.

The IP-PBX controls all of the SIP LD series terminals on the network, as well as other types of VoIP terminals that are connected to the network. The SIP LD series works with various IP-PBX products. For a list of IP-PBX servers with which the SIP LD series is compliant, please visit www.teledex.com.

1.6 The Network System Administrator

The SIP LD series requires configuration in order to work properly on the network. This task is performed by a technical specialist referred to as a network or system administrator. The network administrator will perform the configuration steps from a control station at the IP-PBX.

2. Installing the SIP LD Series IP Phone

Installing the SIP LD series in a guest room or at a workstation is as simple as installing a conventional office telephone.

2.1 A Matter of Safety

WARNINGS mean danger to persons and possibly, damage to equipment. Whenever you see this symbol, be careful to study the steps that you will perform, and be sure that you under-stand the nature of the hazards before beginning the task.

CAUTION mean risk of damage to equipment. Whenever you see this symbol, be aware of the steps that you will perform and be sure that you avoid the conditions that may damage the equipment.

NOTES point out exceptions or additions to the information presented in a particular section. You may want to highlight some information that you will need to remember periodically in the operation or installation of this device.

2.2 Versions of the SIP LD Series

NOTE: There are has three versions of this phone, depending on how power is supplied to the telephone.

Version 1: Local power version. This version requires an approved inline power adapter to provide power.

Version 2: PoE (Power over Ethernet) version. This version is designed for customers with a PoE compatible network interface available (e.g. PoE switch, or PoE injectors). The power for the phone is supplied over the Ethernet network.

Version 3: Dual-power version. The version can work in either local power or PoE mode, depending on jumper settings made to the phone. When the phone is working in the local power mode, an inline power adapter is needed (as for Version 1). When the phone is working in PoE mode, the power will be provided through the PoE Ethernet port.

CAUTION: For Version 3, there is risk of damaging the equipment if the power jumper is not set properly according to the specification from Teledex.

2.3 Unpacking the SIP LD series

The SIP LD series IP phone package contains several components:

- The main base unit, or keyset (see figure 1, page 10)
- A handset for use during conversations
- Two or three network cables for connecting the phone to the network, or a PC. The SIP LD series has a built-in Ethernet switch, and two Ethernet ports.
  - A handset coil cord, to connect the handset to the phone, or base.
  - The package may also contain an optional power adapter (if necessary).

For Version2 (PoE version), no power adapter will be provided. For the Version 1 (local power version) and Version 3 (dual-power version), an inline power adapter may be provided along with the package, depending on the intended country of use. The inline power adapter provides two network ports. One is used to connect with the user's network interface; another is for connecting with the SIP LD series.

2.4 Connecting the Handset

Plug one end of the coil cord into the RJ-10 receptacle on the handset, and the other end into the receptacle on the left side of the base. Place the handset into the cradle of the base.

2.5 Connecting the SIP LD Series to the network

WARNING! Risk of electrical shock! Dangerous voltages may be present on the terminals of the network patch cable after it is plugged into the network wall jack. Connect the patch cable to the base first, then to the network wall jack.

2.5.1 SIP LD Series Version 1 (Local Power)
Connect Network to the Inline Power Adapter.

For this version, the network interface is assumed to NOT be PoE compatible. For installation within North America, Teledex provides an inline power adapter, which has two network ports labeled "PHONE" and "LINE" respectively. (For installation outside North America, please contact Teledex for information on obtaining an approved inline power adapter.)

Plug one end of a network patch cable into the RJ-45 jack at the top of the SIP LD series base. Connect the other end of this cable to the RJ-45 jack labeled "PHONE" on the power adapter. With a second network patch cable, plug one end into the RJ-45 jack labeled "LINE" on the power adapter. Connect the other end of this cable to the network wall jack designated by the network administrator. Plug the power adapter into an unswitched electrical outlet.

2.5.2 SIP LD Series Version 2 (PoE)

For this version, the network interface is assumed to be PoE compatible, and power present at the Ethernet jack. Plug one end of a network patch cable into the RJ-45 jack at the top of the SIP LD series base. Connect the other end of this cable to the network wall jack designated by the network administrator.

2.5.3 SIP LD Series Version 3 (Dual power)

This version can work in either local power or PoE mode, according to the different setup of the power jumpers underneath the phone. When the phone is set to work in the local power mode, connect to the network through the inline power adapter as described in subsection 2.5.1. When the phone is configured to work in PoE mode, follow the instructions described in subsection 2.5.2.

CAUTION: Do not connect a standard telephone line cord to the network RJ-45 jack. A standard telephone cord connector can fit into the RJ-45 jack; however there is a risk of damaging the equipment if this is done.

NOTE: The SIP LD series will not function until it has been con-figured and activated by the network administrator.

2.6 Connecting a PC to the SIP LD Series

If the installation environment has only one active network jack, and another network device such as a PC must share the same space, that device should be disconnected from the wall jack and reconnected to the RJ-45 jack on the right side of the SIP LD series.

CAUTION: The cable from the network wall jack must be connected to the jack on the top of the phone, and if there is a PC, it must be connected to the jack on the right side of the phone. Otherwise the phone will not function.

2.7 Arranging the SIP LD Series on the Desk or Table

Route the network cable toward the rear of the base of the phone, and attach the desk/wall mounting bracket by inserting the tabs into the matching holes in the base. Place the phone in a convenient location on the desk. Place the handset on the cradle and confirm that the hookswitch is properly depressed by the weight of the handset.

2.8 Mounting the SIP LD Series on a Wall

The SIP LD series can be mounted on a wall or other vertical or near-vertical surface surface. To do so, the desk/wall mounting bracket should be rotated 180 degrees, compared to the desk mounting position. Use screws (and anchors, if necessary) to match the hole pattern in the bracket. The wall mounting clip (just underneath the hookswitch) should be removed and re-installed after rotating it 180 degrees.

To remove the clip, push it firmly toward the hookswitch. The clip will hold the handset firmly in the cradle, and allow it to depress the hookswitch when the phone is not in use.

3. Configuring the SIP LD Series

Once the SIP LD series has been unpacked, set up on the desk (or mounted to a wall), and connected to the network, the network administrator should be notified that the unit is ready for network configuration and activation. Once this process has been completed, it will receive power from the network and begin to function.

3.1 Starting Up

The SIP LD series will automatically begin to function once it has been connected to the network, configured and activated by the network administrator. The network will detect the presence of the SIP LD series and supply power and data to it (there is no on/off switch). Once power has been applied, it takes about ninety (90) seconds for the SIP LD series to be ready for configuration.

3.2 Online Configuation

The SIP LD series supports web-based online configuration, and can be configured through another PC. The default IP address for the phone is **10.10.1.254.** The network administrator should configure the SIP LD series to another static IP address, or activate the DHCP function through the online configuration.

3.2.1 Visit the Configuration Portal (Fig.2)
Use the link **http://(IP Address):8080** to access the web portal of the SIP LD series. The default IP address is 10.10.1.254, so use the link http://10.10.1.254:8080. The username and pass-word will be required to access to the web portal.
The default logins are (case sensitive):

Username: Admin

Password: iPhone06

Figure 2 shows the welcome page of the configuration portal. The phone can be configured through the main menu provided by this portal.

NOTE: Except for upgrading the software online (decribed in subsection 3.2.7), the configuration for the SIP LD series will not be activated until the phone has been reset.
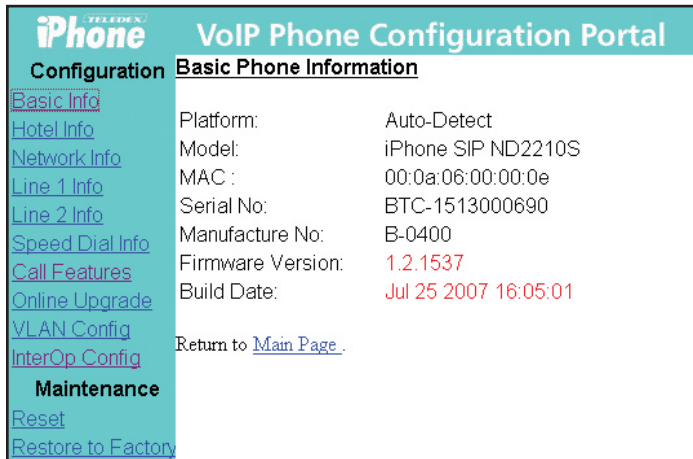

Fig 2: Teledex iPhone Configuration Portal

3.2.2 Change Network Configurations (Fig.3)

To change network configurations via the configuration portal, follow these steps:

1. Click "Network Info" on the left side menu.

2. There are two options for the item "Acquire IP Through". Select "Use DHCP" if you want to use DHCP to get an IP address automatically. Otherwise, select "Use Static IP".

3. Input the phone's IP address and subnet mask if using static IP address. Input the gateway address, DNS server address, SMTP server address and time zone.
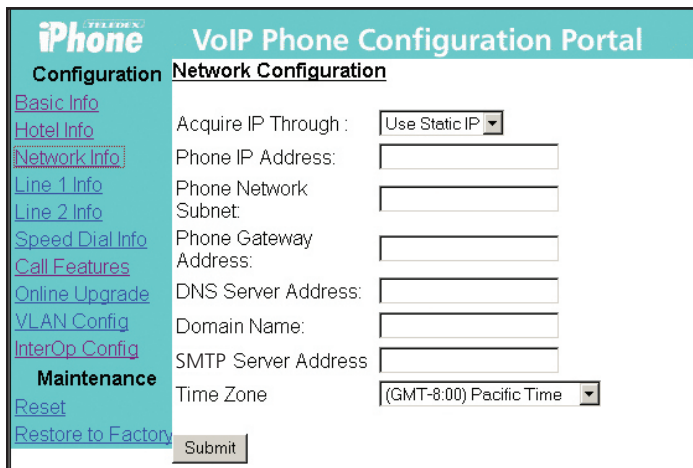
4. Click "Submit".

Fig 3: Configuration of the Network

3.2.3 Set Line 1 and Line 2 Information (Fig. 4)

The SIP LD series supports two line appearances. If the Multiple Line Appearance feature is disabled (refer to section 3.2.6), then Line 1 and Line 2 should be configured separately with different phone numbers. If the Multiple Line Appearance feature is enabled, the two lines will share the

same phone number and configuration, and only Line 1 needs to be configured. To change the line configuration via the configuration portal, follow these steps:

1. Click "Line 1 Info" or "Line 2 Info" on the left side menu.

2. Input the required line-related information, such as phone number, password, proxy server registration server, message waiting number, MWI (Message Waiting Indicator) server etc.
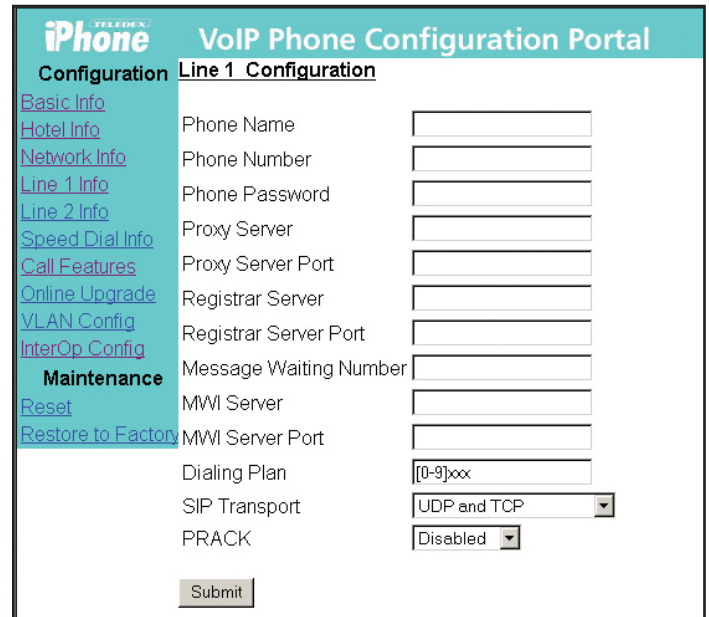
3. Click "Submit" to save changes.

Fig 4: Line Configuration

3.2.4 Configure the Auto Dial Keys (Fig. 5)

To change auto dial configuration follow these steps:

1. Click "AutoDial Keys" on the left side menu.

2. Input the number associated with each auto dial keys.
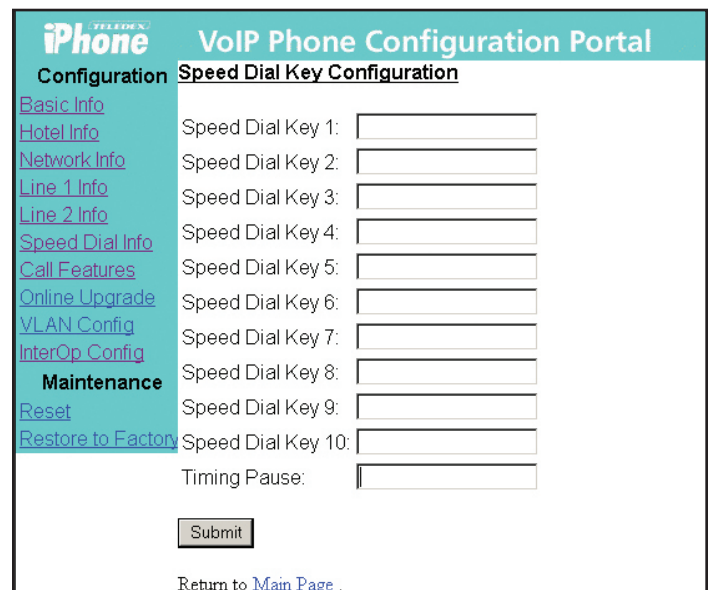
3. Click "Submit" to save changes.

Fig 5: Configuration of Speed Dial Keys

3.2.5 Configure the Call Features (Fig. 6)

The configurable call features include Do Not Disturb, Call Transfer, Call Forward No Answer, Call Forward Busy, Call Waiting, and Call Forward All. A call forward extension number can be pre-configured. A description of each feature is below:

Do Not Disturb: The phone will not ring upon any incoming call.

Call Transfer: Transfers the incoming call to another number or extension.

Call Forward No Answer: The incoming call will be forwarded if there is no answer for 18 (eighteen) seconds.
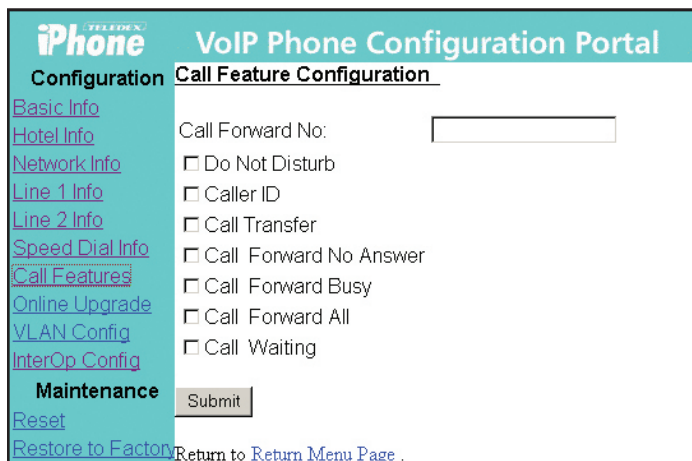
Call Forward Busy: Incoming calls will be immediately forwarded if the phone is off hook.

Call Forward All: All incoming calls will be forwarded automatically.

Call Waiting: Answers one incoming call, while placing the existing call on hold.

To enable or disable call features through the configuration portal, follow these steps:

1. Click "Call Features" on the left side menu.
2. Check the box of the feature you wish to enable, or uncheck a box to disable it.
3. Fill in the call forwarding number, if the Call Forward feature is enabled.
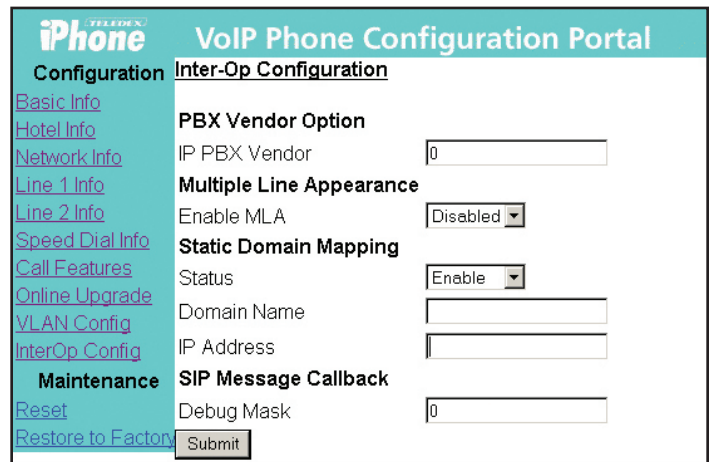4. Click "Submit".

Fig 6: Configuration of Call Features

3.2.6 Enable or Disable Multiple Line Appearances (Fig. 7)

The Multiple Line Appearance feature allows two lines to share the same phone number and configuration. By default, this feature is disabled. To enable or disable the Multiple Line Appearance feature, follow these steps.

1. Click "InterOp Config" on the left menu.
2. Next to "Enable MLA", select "Enable" or Disable".
3. Click "Submit" to save your changes.

Fig 7: Interop Configuration

3.2.7 Upgrade the Phone's Firmware (Fig.8)
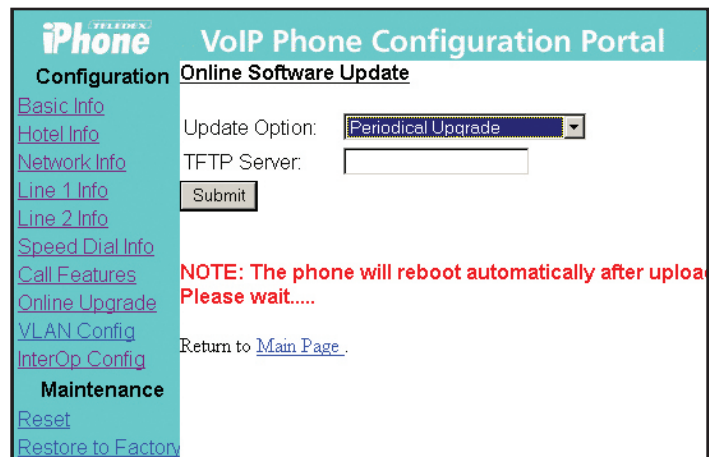
To update the phone's firmware through the configuration portal, click "Online Upgrade" on the left menu.

There are three update options from which to choose:

1. **Set TFTP Address Only** – Changes the TFTP address on the phone, leaving the rest of the firmware untouched.
2. **Upgrade Application** – Uploads new firmware from the TFTP server, and reboots the phone.
3. **Upgrade Data** – Updates the data file, and reboots the phone.

Choose one update option. Set the TFTP server address provided by Teledex. Click "Submit" to upgrade the firmware.

NOTE: For update options 2 and 3, do not reboot the phone manually. Wait for the phone to reboot itself.

Fig 8: Online Software Upgrade

3.2.8 Reset the iPhone (Fig.9)

Use this configuration page to manually reset the phone.

NOTE: Except when upgrading the software online (described in section 3.2.7), the phone should be reset after modifying any configurations.
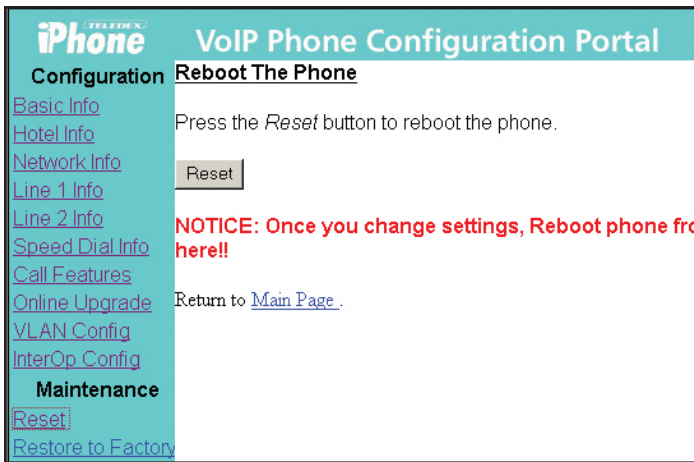
Fig 9: Reset the Phone

3.2.9 Restore to Factory Configuration

To restore the phone to the factory (default) configuration via the configuration portal, follow these steps:

1. Click "Restore to Factory" on the left menu.
2. Click "Restore" to restore factory settings.

4. Using the SIP LD Series IP Phone

After the SIP LD series has been configured and activated by the network administrator, it is ready to use. This section describes how to place, receive and manage phone calls.

4.1 Using the Handset and Speakerphone

4.1.1 Using the Handset

If the handset is connected and lifted out of the cradle (releasing the hookswitch), it will take precedence over the speaker or a headset (if connected). The speaker or headset will be muted.

4.1.2 Using the Speakerphone

If the handset is in its cradle with no headset connected, and the **SPEAKER** key is pressed, the speakerphone is engaged, enabling handsfree calls. The **SPEAKER** LED will be illuminated when this mode is active.

4.1.3 Switching between Handset and Speakerphone

When a call is in progress using the handset, press the **SPEAKER** key, then hang up the handset. The **SPEAKER** LED will flash, and the speakerphone will become active. If the handset is not hung up within twelve (12) seconds, the call will remain on the handset.

4.1.4 Adjusting the Ringer Volume

When the phone is either idle or ringing, press the up or down arrow key to raise or lower ringer volume.

4.1.5 Adjusting the Speaker Volume

Activate the speaker through pressing the **SPEAKER** key. With the speaker active, press the up or down arrow key to raise or lower speaker volume to the desired level.

#### 4.1.6 Adjusting the Handset Volume

Activate the handset by picking it up. With the handset active, press the up or down arrow key to raise or lower handset volume to the desired level.

4.2 Placing a Phone Call

There are various ways of initiating a phone call:

1. Lift the handset, listen for dial tone, and dial the phone number, using the keypad.
2. Press one of the **LINE** buttons **(LINE 1 or LINE 2)** activating the speakerphone. Dial the desired number.
3. Press the **SPEAKER** key. An available line will be activated, and you will hear dial tone. Dial the desired number.

As soon as the IP-PBX recognizes a valid phone number, the call is placed. The **LINE 1 (or LINE 2)** LED will be illuminated during the call.

4.3 Receiving a Phone Call

When there is an incoming call, the ringer sounds, and the **LINE 1** LED flashes quickly.

To answer the call, do one of the following:

1. Pick up the handset and begin your conversation.
2. Without removing the handset, press the **LINE 1** key, or the **SPEAKER** key, and speak in the direction of the base microphone.

The **LINE 1** LED will be illuminated during the call.

To reject the call, simply press the **FLASH** key.

To end the phone call, simply hang up the handset, or press the **SPEAKER** key (if the speakerphone was used).

4.4 Using Mute

To prevent the other party on the line from hearing what is being said on your end of a phone call, you may use the mute function of the phone. To use Mute:

1. Press the **MUTE** key; the **MUTE** LED will illuminate.
2. To disengage Mute, press the **MUTE** key again.

While in Mute mode, you will be able to hear the other party, but they will not hear you.

4.5 Using Hold

To place a call on Hold, press the **HOLD** key. The line will remain engaged, but neither party will be audible to each other. The active line's LED will flash slowly while Hold is activated.

To disengage Hold, and return to the call, press the **LINE 1 (or LINE 2)** key.

4.6 Using the Second Line

While engaged in a call on one of the lines, a call may come in on the other line. To answer the second call, while keeping the first call, press the **HOLD** key. The second call will be connected. The **LINE 1** LED will flash. To answer the incoming call while hanging up the first call, simply press **LINE 2.**

4.7 Transferring a Call

The SIP LD series can transfer an ongoing call to another phone on the same network. To transfer a call:

1. Press the **FLASH** key. This will place the call on hold and activate the second line.
2. Dial the number or extension of the party to whom you wish to transfer the call.
3. When the party answers, explain that the call is being transferred, then press **FLASH** again. The call will be transferred.

NOTE: It is not necessary to wait for the other party to answer before transferring a call. To make a "blind transfer," simply press **FLASH** while the other party's phone is ringing. The other party will pick the call up as with any other incoming call.

4.8 Redialing the Last Number

Lift the handset (or press **LINE 1** or **SPEAKER**) and press the **REDIAL** key. The last number you dialed will be redialed.

4.9 Pre-Dialing a Phone Number

Before lifting the handset from the cradle, or pressing the **LINE 1** or **SPEAKER** keys to get a dial tone, a phone number can be pre-dialed. Simply dial the phone number by pressing the number keys on the keypad, then lift the handset (or press **LINE 1** or **SPEAKER**) and the number will be dialed. You will hear DTMF touch tones as audible confirmation of the number being dialed.

4.10 DTMF Signaling

Telephone systems use DTMF *(Dual Tone Multiple Frequency)* signaling for various functions, most prominently as audible feedback to confirm the dialing process. Tones are generated when the number keys are pressed. In addition to dialing a phone number, DTMF signaling can be used for various purposes when a call is in progress, such as for entering an extension number, responding to voice prompts by automated telephone answering systems, entering passwords, PINs, account numbers, etc.

5. Advanced Features of the SIP LD Series

Advanced features of the SIP LD series include:

- Call Forwarding
- Call Waiting
- Speed Dialing
- Conference Calls
- Voice Mail

This section will explain these features.

5.1 Using Call Forwarding

This feature must be enabled and configured through the configuration portal. If this process has been completed (as described in subsection 3.2.5), incoming calls can be automatically forwarded to the preset forwarding phone number.

5.2 Using Call Waiting

This feature must be enabled and configured through the configuration portal. If this process has been completed (as described in subsection 3.2.5) you will hear the call waiting alert tone during a call. Press **FLASH** to answer the second call. The first call will be automatically placed on hold. To switch between calls, press **FLASH** again.

5.3 Speed Dialing

Speed dialing is useful for frequently-dialed numbers. Speed dial keys are loacted above the dial pad. Numbers up to thirty-two (32) digits in length may be stored.

5.3.1 Programming the Memory Dialing Keys Through the Concealed STORE Key

The speed dial keys can be programmed not only through the configuration portal (as described by subsection 3.2.4) but also through the concealed **STORE** key.

The **STORE** key is concealed to deter unauthorized tampering. With the clear plastic overlay and faceplate removed from the phone, locate the **STORE** key as noted in the phone diagram (Fig. 1). This recessed key is located above number '3' on the dial keypad. To program an auto-dial key:

1. Press the recessed **STORE** key and release it.
2. Enter the number or extension to be programmed.
3. Press the auto-dial key where the number is to be stored.
4. Repeat the procedure as needed for additional auto dial keys.

5.3.2 Configure the Timed Pause for the Speed Dial

The **PAUSE** key can be used to provide a timed pause between dialed digits within a stored auto dial number. The timing of the pause is programmable, with the factory default set to one second. To change the pause timing:

1. Press the **STORE** key (see Fig. 1).
2. Press the **PAUSE** key (see Fig. 1).
3. Press a number from 0 to 5 on the dial keypad. The number selected will be the pause timing in seconds (for example: pressing the '3' key will insert a 3 second pause).
4. Press the **STORE** key. The selected pause time is now inserted into the dialing string.

5.3.3 Using the Speed Dial Keys

To place a call using the speed dialing feature, lift the handset out of the cradle, or press the **LINE 1** or **SPEAKER** key, then press the desired speed dial key. The DTMF dialing tones will be heard as the call is placed. Alternatively, you may press the desired speed dial key, then lift the handset (or press the **LINE 1** or **SPEAKER** key) and the number will be dialed, as in "pre-dialing."

5.4 Three-Way Conference Calls

The SIP LD series supports three-way conference calling. The **CONF** or **FLASH** key allows the user to include two other parties in a three-way conversation. One three-way conference could be done using only one line or both lines.

5.4.1 Initiating a Three-Way Conference Call With One Line

1. Place or receive the first call.
2. Press **FLASH**.
3. Dial the third party, and wait for them to answer.
4. Press **FLASH** again to join all three callers.
5. To disconnect the third party and return to a two-party call, press **FLASH** again.

5.4.2 Initiating a Three-Way Conference Call With Two Lines

1. Place or receive the first call.
2. Place that call on hold by pressing the **HOLD** key.
3. Press **LINE 2**, and place or receive the second call.
4. Press the **CONF** key to join all three callers.

ADVANCED FEATURES

5.5 Using Voice Mail

5.5.1 Message Waiting

If the red message waiting indicator is flashing slowly, voice mail messages are waiting to be retrieved.

5.5.2 Retrieving Messages

Press the **MESSAGE** key. The speakerphone will be activated (unless the handset is off-hook) and the phone calls the voice mail server. Follow the voice prompts for entering your password, listening to, saving and deleting messages. When all unheard messages have been listened to or deleted, the message waiting light will turn off.

NOTE: Message waiting number must be pre-configured before using this feature. (Refer to subsection 3.2.3)

6. Care and Troubleshooting

Your Teledex SIP LD series IP phone will provide years of trouble-free service, particularly if it is maintained in an indoor environment.

6.1 Cleaning the SIP LD Series

Dust or deposited materials caused by normal handling of the phone handset or base should be removed occasionally to ensure optimal performance. Use a soft cloth moistened with water to wipe the plastic exterior parts.

CAUTION: Do not use solvents, powders or spray cleansers that may leak into the electronic components and cause damage.

6.2 In Case of Trouble

If the SIP LD series does not seem to function as expected, there are several troubleshooting techniques that may be tried before calling the network administrator.

6.2.1 Disconnect From the Network

Unplug the network cable from the wall jack. Wait at least fifteen (15) seconds, then plug the cable back into the same jack. The phone will attempt to re-establish contact with the IP-PBX. In many cases, this will restore normal operation.

WARNING: Risk of electrical shock! Dangerous voltages may be present on the exposed terminals of the network patch cable after it is plugged into the network wall jack.

6.2.2 Disconnect the PC

If there is a PC or other network device connected to the port on the side of the phone, disconnect the cable to the PC or device from the base, then perform the actions from section 6.2.1 (Disconnect From the Network).

6.2.3 Check the Cords and Cables

If the previous two steps do not solve the problem, all of the cords and cables (including handset cord and headsets) should be disconnected, inspected for dirt or corrosion, and reconnected.

7. Appendix A – European Requirements

This product complies with the following CE requirements:

89/336/EEC EN 55024

EN 55022 EN 60950 (CB SCHEME)

8. Appendix B – SIP LD Series Product Specifications
TELEPHONE TYPE
Two-line, Voice over Internet Protocol network terminal

Call Manager Protocol
SIP (Session Initiation Protocol)

Dial Keypad
12 keys: Numeric 1 – 9, 0, *, #
Capable of DTMF signaling

Speed (Memory) Dialing Keys
SIP LD4105S and SIP LD4205S: 5 keys
SIP LD4110S and SIP LD4210S: 10 keys

Line Keys
Hold, Line 1, Line 2, Conference, Mute, Speaker
Function Keys
Messages, Volume (Up/Down), Soft keys on sccreen

LEDs: Message Waiting, Line 1, Line 2, Conference, Mute, Speaker

Network Connection
Ethernet 10/100BaseT, RJ-45 connector, 2 ports
(One supporting PoE)
Uplink to network and switch
Pass-through, switched, for local PC

Audio Input/Output
Handset (included), RJ-10 connector
Microphone (built-in)
Speaker (built-in)

Power
Power supplied from network switch (PoE), or from approved local power adapter

Dimensions & Weight
W: 9.0" (22.86 cm)
D: 8.5" (21.59 cm)
H: 6.47" (16.43 cm) full upright position
    3.97" (10.08 cm) full flat position

Wt: 2.80 lb. (1.27 Kg)

9. Appendix C – Product Support
If you need technical assistance with this product, please contact Teledex via one of the following methods:

Telephone
408.363.3100

Email
support@teledex.com

Internet
www.teledex.com

If you feel that the information contained herein does not represent the way your product is operating, check our website (www.teledex.com) for the latest version of this documentation.

Fig 1: SIP LD Series Diagram

10/100 Port (LAN In)
10/100 Port (For PC)
USB Port
Color Touch Display
Branding Badge
Speed Dial Keys
Headset Jack
Microphone

Hold   Line 2   Mute   Messages
Volume Up/Down   Line 1   Conference   Speaker & Headset

One year warranty for Teledex SIP Telephones and Hybrid Display telephones

Hardware Warranty: Subject to the terms and conditions of this Warranty, Teledex LLC warrants that, as long as the initial registered end user owns it, the hardware of this telephone product will perform according to Teledex LLC's published specifications. If this telephone fails to perform to our specifications at any time during the warranty period, we will, at our option, repair or replace this telephone at no additional charge, except as set forth below. Repair parts or replacement telephones may be either new or reconditioned. All replaced parts and replaced telephones become our property. Teledex LLC reserves the right to replace a telephone with a compatible later model with at least equivalent performance or refund a sum not to exceed Teledex LLC National Account Pricing enforced at time of original purchase.

WARRANTY PERIOD:
One Year From Date of Shipment from Teledex

WARRANTY EXCLUSIONS
This warranty does not cover, or may be voided by, the following:

• Any special costs or special requirements of jurisdictions other than the United States

• Any damage resulting from abuse or misuse (i.e. liquid spills, abuse, or customer modification - warranty label broken) of the telephone

• Any damage caused by failure to follow operating or installation instructions provided with the telephone

• New faceplates or damage to the faceplate or discoloration of the telephone

• Any damage resulting from improper connection of the telephone to other equipment

• A telephone used in a harsh or corrosive environment

• Incompatibility with anything other than the IP-PBX for which the telephone was purchased

• Cords, connectors and replaceable batteries

• Force majeure

• Damages in transit

• Any damage resulting from unauthorized modification or repair of the telephone

- Costs incurred in removing the telephone; shipping the telephone to TELEDEX LLC for repair or replacement, including without limitation customs duties or other import or export charges; costs of reinstallation of the telephone; excess shipping costs incurred by TELEDEX LLC if the customer requests express shipping of a repaired telephone, replacement telephone or repair parts.

- Unauthorized modification of telephones covered under this warranty will void the terms of this warranty, including replacement of handsets with handsets not manufactured by Teledex.

- This warranty includes the telephone hardware only and does not include any hardware or software, or any devices properly connected to, and not part of the telephone.

NON-TRANSFERABILITY
This limited warranty is directed solely to the initial registered end user and is transferable by the initial purchaser only with the prior written consent of TELEDEX LLC

TELEDEX LLC EXPRESSLY DISCLAIMS ALL WARRANTIES TO THE BUYER EXCEPT THE LIMITED WARRANTY SET FORTH HEREIN, INCLUDING, WITHOUT LIMITATION, ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.IF THIS TELEPHONE DOES NOT PERFORM ACCORDING TO SPECIFICATIONS AS WARRANTED ABOVE, THE BUYER'S SOLE REMEDY SHALL BE REPAIR OR REPLACEMENT AS PROVIDED ABOVE. IN NO EVENT WILL TELEDEX LLC BE LIABLE TO BUYER OR ANY OTHER PARTY FOR ANY DAMAGES, INCLUDING LOST PROFITS, LOST REVENUE, LOSS OF USE OR COST OF SUBSTITUTE EQUIPMENT ARISING OUT OF THE USE OR INABILITY TO USE THIS TELEPHONE, EVEN IF THE BUYER HAS ADVISED TELEDEX LLC OF THE POSSIBILITY OF SUCH DAMAGES.IN NO EVENT SHALL ANY LIABILITY OF TELEDEX LLC TO THE BUYER OR ANY OTHER PARTY IN CONNECTION WITH THE TELEPHONE EXCEED THE PURCHASE PRICE OF THE TELEPHONE. THIS LIMITED WARRANTY GIVES THE BUYER SPECIFIC LEGAL RIGHTS. THE BUYER MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. TELEDEX RESERVES THE RIGHT TO TERMINATE OR MODIFY THIS WARRANTY PROGRAM AS TO PRODUCTS SOLD AFTER SUCH TERMINATION OR MODIFICATION.

Software Warranty: The Teledex iPhone End User License Agreement sets forth the terms and conditions of warranty for the software on the Teledex iPhone SIP telephone and the Teledex iPhone Hybrid Display telephones.

TELEDEX iPhone END-USER LICENSE AGREEMENT

IMPORTANT: READ CAREFULLY. This End User License Agreement is a legal agreement between you (either an individual or a single entity) and Teledex, LLC for the TELEDEX iPhone SOFTWARE.

"TELEDEX" includes Teledex, LLC and its divisions, subsidiaries, successors, parent companies and their employees, partners, principals, agents and representatives, and any third-party providers or sources of information or data.

"EULA" means this End User License Agreement.

"SOFTWARE" means any APIs, device drivers, software or firmware embedded in or loaded onto the PRODUCTS and may include associated media, printed materials, "online" or electronic documentation, and Internet-based services. SOFTWARE also includes any updates, upgrades, modified versions and/or additions.

"PRODUCTS" means TELEDEX-provided products, or any separate computer software developed by TELEDEX or its suppliers and any associated media, printed materials, online or electronic documentation.

"HARDWARE" means TELEDEX-provided products on or in which the SOFTWARE will reside, run or operate.

By installing, copying or otherwise using the PRODUCTS in your facility, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, you may not use the SOFTWARE.

1. SOFTWARE LICENSE. The SOFTWARE is licensed, not sold. This EULA grants you the following non-exclusive rights: You may use the SOFTWARE in object code form only, in accordance with the applicable user documentation provided, and solely in conjunction with the HARDWARE it was purchased with. Any references to "sales" or "purchase'' of the SOFTWARE refers merely to the HARDWARE upon which the SOFTWARE resides, and not to the SOFTWARE itself, which is only licensed under this Agreement.

2. REPRODUCTION PROHIBITED. You may not reproduce copies of the SOFTWARE.

3. OWNERSHIP. As between the parties, TELEDEX retains title to and ownership of and all proprietary rights with respect to the SOFTWARE and all copies and portions of the SOFTWARE whether or not incorporated into or with other software. The SOFTWARE is protected by copyright and other intellectual property laws and treaties. TELEDEX and its suppliers own the title, copyright, and other intellectual property rights in the SOFTWARE.

4. DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS. You may not, and you shall not allow third parties to, reverse engineer, decompile, or disassemble the SOFTWARE or attempt to reconstruct or discover any source code or underlying ideas

or algorithms. You may not, and you shall not allow third parties to, modify the SOFTWARE or incorporate the SOFTWARE into, or with, any other software or create derivative works of any part of the SOFTWARE. The SOFTWARE is licensed as a single product to be used in conjunction with the HARDWARE. The SOFTWARE'S component parts may not be separated for use apart from the HARDWARE. You may not, and you shall not allow third parties to, remove any identification, copyright or other notices.

The SOFTWARE may contain components that enable or facilitate the use of certain Internet-based services. You acknowledge and agree that TELEDEX may automatically check the version of the SOFTWARE and/or its components that you are using and may provide updates or upgrades to the SOFTWARE that will be automatically downloaded to the PRODUCTS. TELEDEX is not responsible for the links to or content of any third party Internet sites accessed by the PRODUCTS.

You may permanently transfer all of your rights under these rules provided the recipient agrees to the terms of this EULA.

5. IMPROPER USE. The SOFTWARE is not designed, manufactured or intended for use in hazardous environments requiring fail-safe performance (such as, without limitation, the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, medical device and life support machines, or weapons systems) in which the failure of the SOFTWARE could lead to death, personal injury or severe physical and environmental damage ("Improper Use Activities"). You agree not to use the SOFTWARE in connection with Improper Use Activities.

6. COPYRIGHT. The SOFTWARE is protected by copyright laws as well as other intellectual property laws and treaties. All title, copyrights and all other intellectual property rights in and to the SOFTWARE (including but not limited to any images, incorporated into the SOFTWARE), any accompanying printed materials and any copies of the SOFTWARE are owned by TELEDEX, or its suppliers. The SOFTWARE is protected by copyright laws and international treaty provisions. You must treat the SOFTWARE like any other copyrighted material.

7. TRADEMARKS. Teledex, the Teledex logo, Teledex iPhone, and the Teledex iPhone logo, are trademarks of TELEDEX, in the United States and/or other countries. All rights are reserved. All other trademarks in the SOFTWARE not owned by TELEDEX are the property of their respective owners.

8. EXPORT REGULATIONS. The SOFTWARE is subject to the export laws of the United States of America. By using the SOFTWARE you agree to comply with those laws.

9. DISCLAIMER OF WARRANTY AND LIMITATION OF LIABILITY.
EXCEPT FOR ANY WARRANTIES OFFERED TO YOU WITH THE PURCHASE OF THE HARDWARE IN WHICH THE SOFTWARE IS EMBEDDED, TELEDEX PROVIDES THE SOFTWARE "AS IS" WITHOUT WARRANTY OF ANY KIND, AND TELEDEX EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES FOR THE SOFTWARE, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. THE ENTIRE RISK ARISING OUT OF USE OR PERFORMANCE OF THE SOFTWARE REMAINS WITH YOU. Some jurisdictions do

not allow the exclusion of implied warranties so the above exclusion may not apply to you. You may have other rights that vary from jurisdiction to jurisdiction.

THE ENTIRE RISK AS TO THE RESULTS AND PERFORMANCE OF THE SOFTWARE IS ASSUMED BY YOU. TELEDEX SHALL NOT HAVE ANY LIABILITY TO YOU OR ANY OTHER PERSON OR ENTITY FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES WHATSOEVER INCLUDING BUT NOT LIMITED TO LOSS OF REVENUE, PROFIT OR OPPORTUNITY, LOST OR DAMAGED DATA OR OTHER COMMERCIAL OR ECONOMIC LOSS EVEN IF YOU HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. OUR MAXIMUM AGGREGATE LIABILITY TO YOU FOR DIRECT DAMAGES SHALL NOT EXCEED THE AMOUNT PAID BY YOU FOR THE SOFTWARE. Because some states/jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

10. TERM. This EULA is effective until terminated. You may terminate the EULA at any time by returning or destroying all copies of the SOFTWARE and related documentation. Your rights under this EULA will terminate automatically if you fail to comply with any term or condition of the EULA. You agree that upon such termination, you will return or destroy all copies of the SOFTWARE and related documentation. The provisions of this EULA shall survive termination.

11. GENERAL.

A) Governing Law. You agree that this EULA is governed by the laws of the State of California, without reference to conflicts of law principles or the United Nations Convention on Contracts for the international Sale of Goods. The sole jurisdiction and venue for actions related to the subject matter of this Agreement shall be California. Both parties consent to the jurisdiction of such courts and agree that process may be served in the manner provided in this Agreement for giving notices or otherwise as allowed by California state or U.S federal law. In any action to enforce this Agreement, the prevailing party shall be entitled to costs and attorneys' fees.

B) Severability. If any provision of this EULA is held to be invalid, illegal or unenforceable, it shall be severed and the remaining provisions shall continue in full force and effect.

C) Inspection. TELEDEX shall have the right, at its own expense and upon reasonable written notice to you, to periodically inspect your premises and such documents as TELEDEX may reasonably require, for the exclusive purpose of verifying your compliance with your obligations under this EULA.

D) Confidentiality. Except as expressly allowed by this EULA, you will not use or disclose any SOFTWARE or related technology, idea, algorithm or information except to the extent you can document that it is generally available for use and disclosure by the public without charge or license. You recognize and agree that there is no adequate remedy at law for a breach of this section, that such a breach would irreparably harm TELEDEX and that TELEDEX is entitled to equitable relief (without need to post a bond) with respect to any such breach or potential breach in addition to any other remedies.

E) Information gathering. You agree that from time to time, TELEDEX may gather

non-personally identifiable information from your use of the HARDWARE including, but not limited to, your Internet protocol addresses, serial numbers, the configuration of the HARDWARE, usage statistics, etc. TELEDEX shall solely use the information internally, and may give access to such information to its third party service providers solely for such third party service providers to provide services for TELEDEX.

F) Entire Agreement and Waiver. The EULA is the entire agreement regarding your use of the SOFTWARE, superseding any other agreement or discussions oral or written. At no time shall a failure or delay in enforcing any provisions exercising any option or requiring performance be construed to be a waiver.

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com