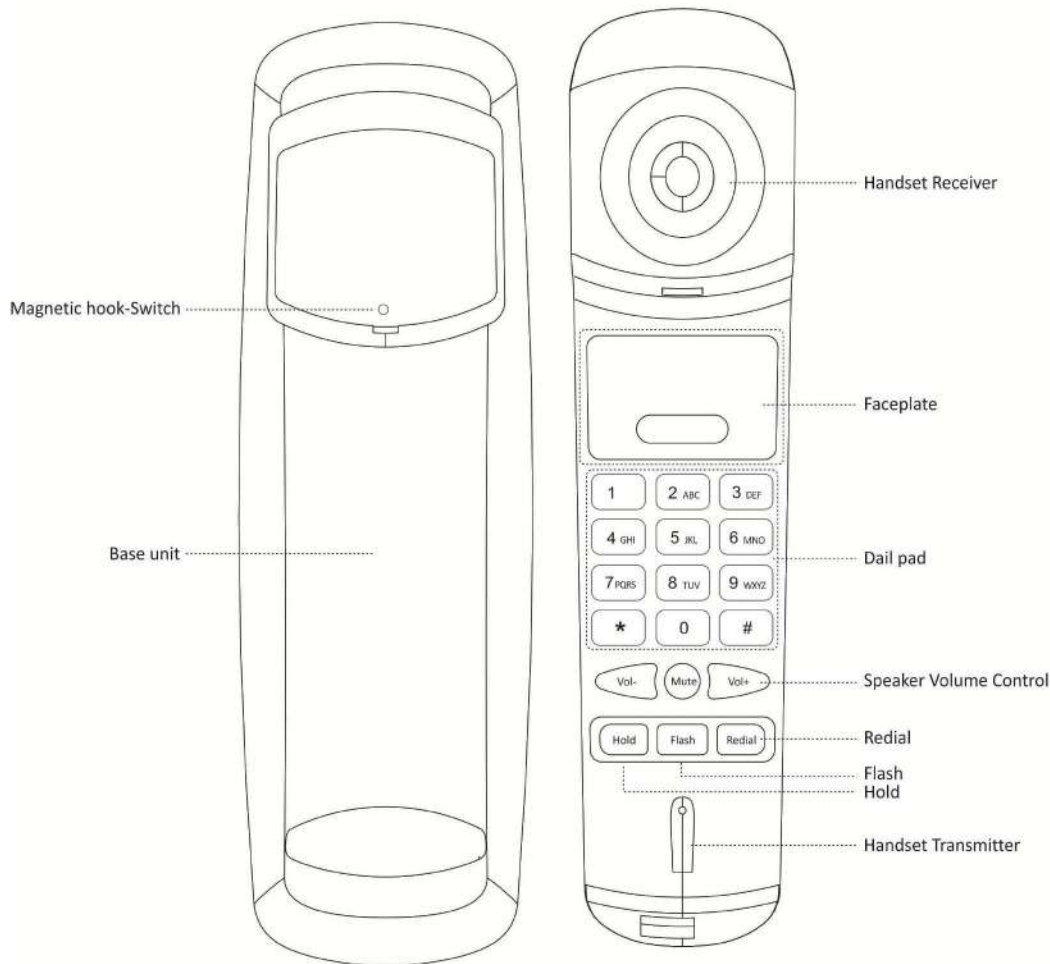


Hospitality Telephones User Guide

Fuego1000™ SmartStation™
Trimline IP Telephone
FG1066-IP (1S) SP



FG1066-IP(1S)SP Face Drawing



Features

- Support one/two SIP account(s)
- Support SIP V2 (RFC3261) protocol
- Support RFC2833 (RTP Payload for DTMF Digits, in band/out band DTMF)
- Support RFC3264 / 3489 / 3515 (Refer) / 2327 (SDP) / 3581 / 3265 (event notification) / 3842 (MWI)
- Support RTP / NTP / DHCP / TFTP / HTTP protocols
- STUN, DNS, PPPoE, static IP and DHCP
- Refresh DHCP upon network reconnection
- Proxy address and registrar address configurable
- Local SIP port and registrar port configurable
- Registration expiry configurable
- Audio codec supported: G.711a/u, G.722, G.726, G.729, iLBC
- CNG and VAD supported
- Call hold, call waiting, call flash
- Last number redial
- Voicemail notification (MWI)
- volume up/down, mute
- Call log on Web Portal
- f/w upgrade on Web Portal
- Web Portal login / password configurable
- configuration backup and restore on Web Portal
- Emergency Call triggered by off-hook

Installation

1. Unpack the box and check for the following items:
 - a. Main telephone body c/w base unit
 - b. Handset
 - c. Handset cord
 - d. RJ45 Line cord
2. Connect the handset to the base unit using the coiled handset cord provided
3. Connect one end of the line cord to the RJ45 socket at the base unit, and the other end to the wall Ethernet outlet
4. Install the faceplate (if delivered separately) onto the telephone

Call Operation

A. Initiating a Call

1. Lift the handset.
2. Listen to dial tone.
3. Press the desired number on the keypad and wait for 5 second or press “#” to dial out.
4. To end the call, place the handset back on the cradle in the base unit.

B. Answering a Call

An audible ringing sound and the flashing LED indicates the incoming call.

1. Lift up the handset to answer the call.
2. To end the call, place the handset back on the cradle. The LED will turn off.

C. Redial

Using the handset

1. Lift up the handset, press the REDIAL button to initial a redial call.
2. To end the call, place the handset back on the cradle.

D. Speakerphone Volume

Adjust the Vol+ or Vol- button to increase or decrease the speakerphone volume. Alternatively, go on to the Web Portal, go to Phone Settings page and adjust the volume settings (see next page).

E. Ringer Volume

Go on to the Web Portal, go to Phone Settings page and adjust the volume settings (see next page).

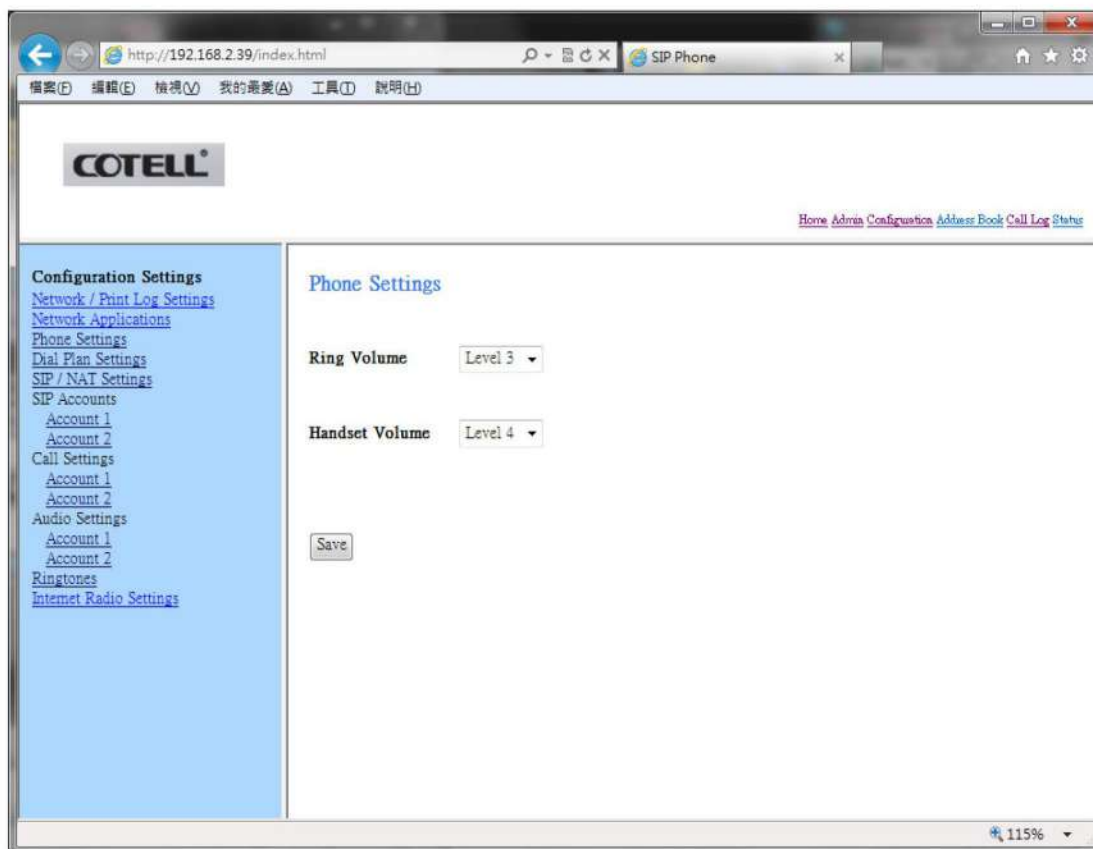


Figure 1 - Handset volume on the "Phone Settings" page on Web Portal

F. Call Flash

1. During a conversation using the handset, press the FLASH button.
2. The previous conversation is automatically put on-hold.
3. Listen for dial-tone coming from the handset receiver.
4. To place another call, simply press the desired number on the keypad and wait for 5 seconds or press "#" to dial out immediately.

G. Call Hold

1. During a conversation using the handset, press the HOLD button.
2. The other end of the call is now put on-hold. Hold music is generated by the PBX to the other end.
3. To deactivate the call-hold, press the HOLD button again.

H. Mute

1. During a conversation, press the MUTE button
2. The other end is not able to hear you but you can continue to hear from the other end.
3. To deactivate Mute, press the MUTE button again.

I. Programmable Memory Button & Emergency Call

FG1066-IP (1S) SP has 2 programmable memory buttons:

- 1) The first one is the button on the faceplate.
To activate, lift the handset and simply press it once. The number will be dialed out immediately.
- 2) The other corresponds to the preconfigured number for emergency call.
To activate, lift the handset and wait for a predetermined number of seconds. The number will be dialed out automatically

Storing a number for hotkey and emergency call

1. Access the Web Portal, go to the Configuration page
2. Fill in the entries for Memory key, Emergency Call Number and Emergency Call Timeout (see below)
3. Remember to press save, at the bottom of the page, when you are done.

The screenshot displays the 'Configuration Settings' web portal. On the left is a navigation menu with links: Configuration Settings, Network / Print Log Settings, Network Applications, Phone Settings, SIP / NAT Settings, SIP Accounts (Account 1, Account 2), Call Settings (Account 1, Account 2), and Audio Settings (Account 1, Account 2). The main content area is divided into sections: SIP Settings, Emergency Call Settings, and NAT Settings. The 'Memory Key' field in SIP Settings and the 'Emergency Call Number' and 'Emergency Call Timeout' fields in Emergency Call Settings are highlighted with red boxes. A red arrow points from the 'Memory Key' box to a 'Memory Key' button on the device faceplate diagram on the right. The 'Save' button is at the bottom left.

SIP Settings	
Expiry Time	0
Transport	UDP
Session Timer	<input type="checkbox"/>
Update	<input type="checkbox"/>
PRACK	<input type="checkbox"/>
NAPTR	<input type="checkbox"/>
Flash button for same account	<input checked="" type="checkbox"/>
Local SIP Port	5060
Memory Key	

Emergency Call Settings	
Emergency Call Number	
Emergency Call Timeout	10

NAT Settings	
NAT Mode	Off
STUN Address	194.221.62.209
STUN Port	3478
RTP Port Start	18000
RTP Port Stop	19000

Save

The diagram shows the front of the device. At the top is an 'MSG/Ringer LED'. Below it is a circular speaker. Under the speaker is a 'Memory Key' button, which is indicated by a red arrow from the configuration page. Below the button is a numeric keypad (1-9, *, 0, #) and several function buttons (Vol, Mute, Wait, Hold, Flash, Redial). At the bottom is a handset cradle.

Figure 2 - Memory Key and Emergency Call setting on the "Configuration" page

J. Message Light LED (MWI)

When a message is received at the voicemail box, the LED on the back of the handset goes up and flashes periodically.

The mailbox access number can be programmed to the memory key. Refer to Section I - Programmable Memory Key and Emergency Call. When it is configured properly, users can lift up the handset and press the memory key to access the mailbox.

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L. Call waiting

1. During a conversation, when there is another incoming call, press flash to receive that call.
2. The previous party is put on-hold automatically.
3. To end the second call, place the handset back on the cradle.
4. The LED on the back of the handset stays ON to remind users that the previous call is still on the line.
5. To retrieve the previous call, lift up the handset and press Line 1 or Line 2 (depending on which line is used in Step 1).

Web Portal

The Web Portal of the trimline phone can be accessed by Internet Explorer and Mozilla Firefox.

A. To Log in

Enter **http://< IP Address of the handset >** on the browser

Login name and password are not required for first-time login.

The welcome page shows the hardware version and firmware date code of the model (see below).

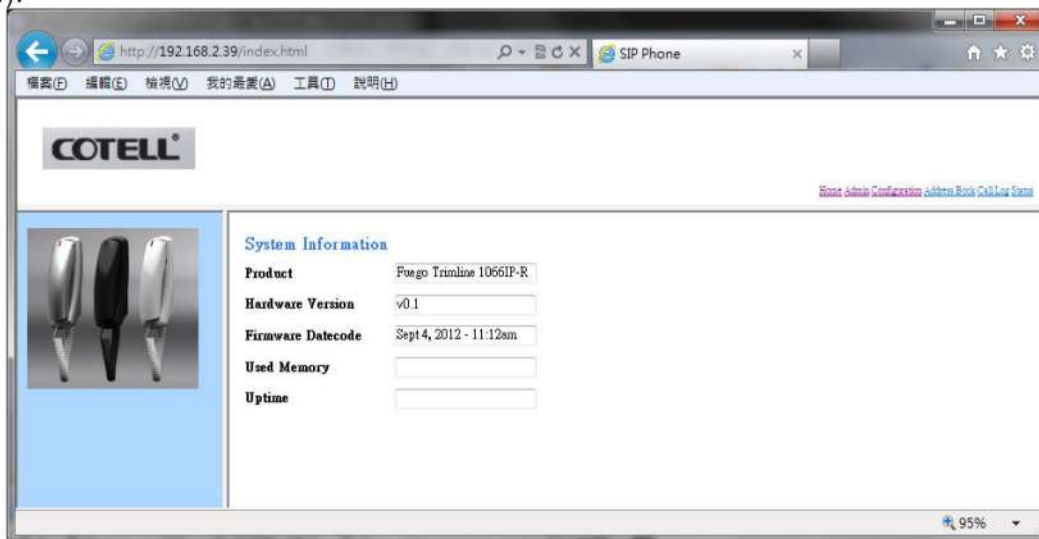


Figure 3 - Welcome page of the Web Portal

Administrators can set login name and password on the "Admin" page to enhance security.

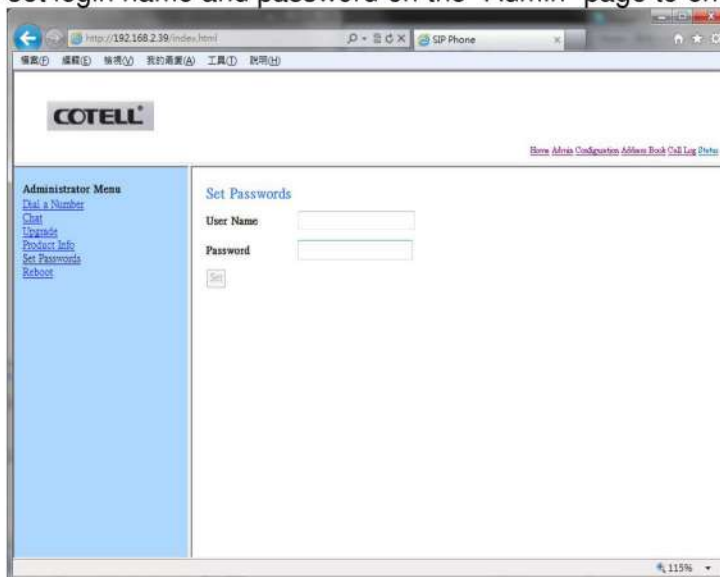


Figure 4 - Set password for accessing the Web Portal

B. User Configuration

- i. SIP settings such as registrar address, proxy address, port etc. can be found in the SIP / NAT settings section on the Configuration page.
- ii. Network
- iii. SIP registration settings such as user ID and password can be found in the section under the title, Call Settings Account 1 on the Configuration page. Same set of settings can be found for Account 2.
- iv. Audio settings such as DTMF method and codec preference can be found in the section under the title, Audio Settings Account 1 on the Configuration page. Same set of settings can be found for Account 2.

Note that you may set up to two SIP accounts on this model.

Remember, after finish modifying a setting, press "save" at the bottom of the page. See that the settings you have just changed have been written to the system.

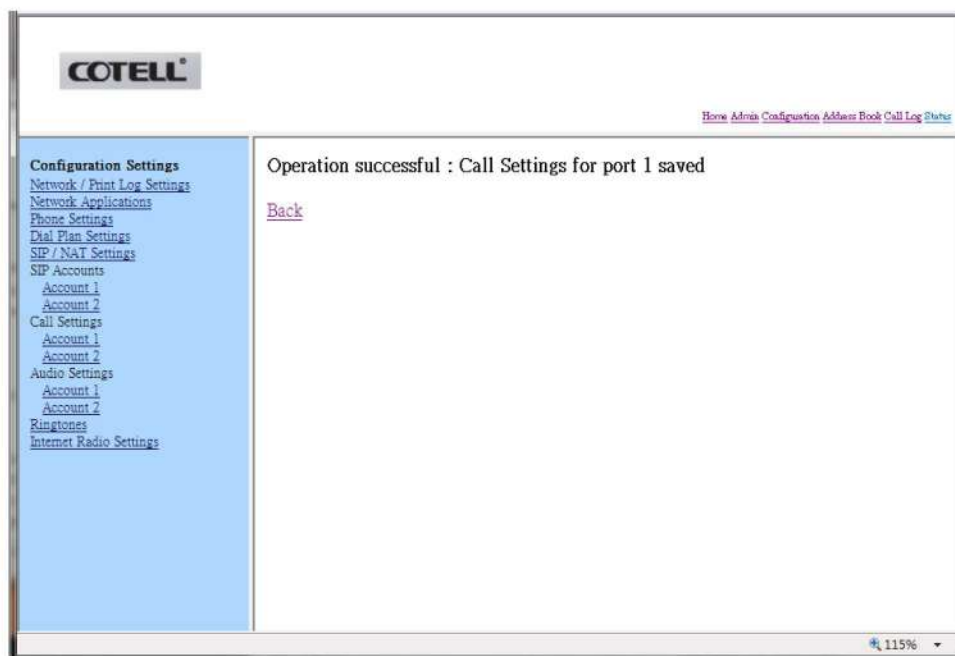


Figure 5 - Make sure all modified settings are saved successfully

C. Network Setting

Go to Network / Print Log Settings section on the "Configuration" page (see below).

The screenshot displays the COTELL web portal interface. The browser address bar shows <http://192.168.2.39/index.html>. The page title is "COTELL". The navigation menu on the left includes "Configuration Settings" and "Network / Print Log Settings". The main content area is titled "Network Settings" and contains the following configuration options:

Setting	Value
DHCP	<input checked="" type="checkbox"/>
Primary Interface	Eth0
Secondary Interface	Eth1
IP Address	010.004.000.011
Subnet Mask	255.255.255.0
Default Gateway	010.004.000.254
Primary DNS	0.0.0.0
Secondary DNS	0.0.0.0
IP Mode	IPv4

Below the Network Settings section is the "Print Log Settings" section, which includes the following configuration options:

Setting	Value
Enable Print	<input type="checkbox"/>
Print Level	Level 0
Enable Lower Print Levels	<input type="checkbox"/>
Print To	Console
Syslog Server IP	
Local File	

A "Save" button is located at the bottom of the configuration area. The browser window shows a zoom level of 115%.

Figure 6 - Network Settings page on Web Portal

Firmware Upgrade on Web Portal

The firmware of the trimline IP phone can be provisioned remotely.

Administrators can do so easily on the Web Portal.

Browsers that support this function include Internet Explorer and Mozilla Firefox.

- i. Log in to the Web Portal
- ii. Go to "Admin" page
- iii. Go to "Upgrade" page. The link is located on the left panel (see below)

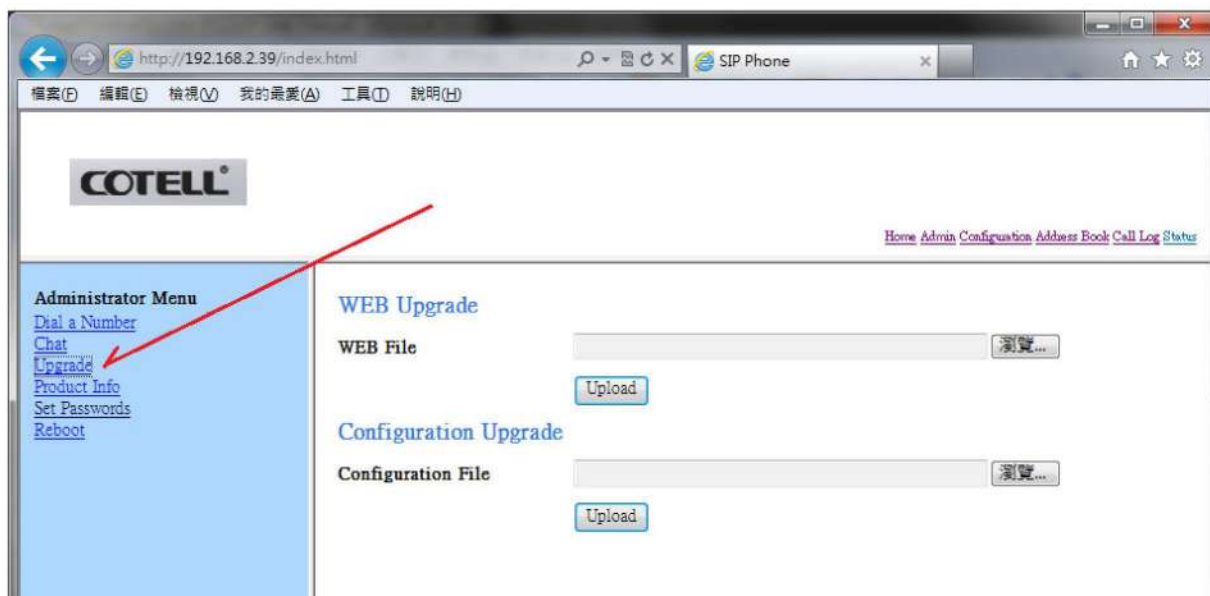


Figure 7 - f/w upgrade on Web Portal

- iv. Press browse, and look for the most updated image, **vmlinuz**
- v. Double-check the path to your vmlinuz file
- vi. Press "Upload"
- vii. Wait for approximately 55 seconds for the image to be loaded onto the memory
- viii. If the upgrade is successful, the Web Portal reloads itself, and displays a message, "Operation successful: File uploaded" (see below).
- ix. If the upgrade fails, disconnect the base from the Ethernet and re-connect it in order to trigger a power-cycle. Redo the firmware upgrade procedure.

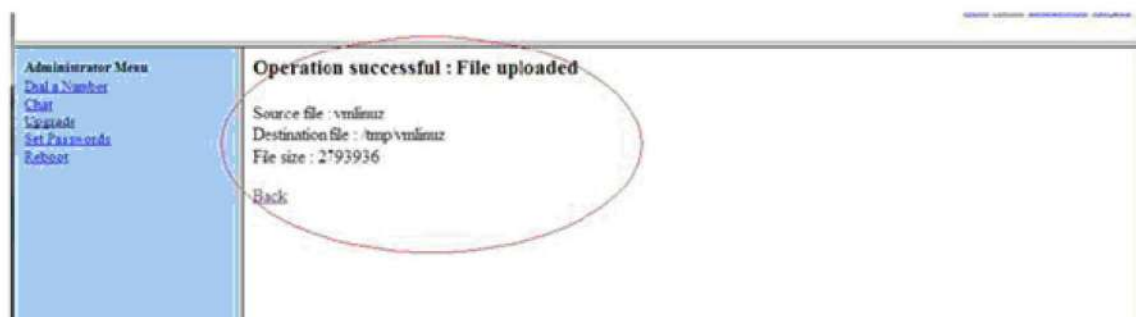


Figure 8 - f/w upgrade success

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 IN THIS MANUAL.
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
 - LIQUID HAS BEEN SPILLED INTO THE PRODUCT.
 - IF THE PRODUCT HAS BEEN EXPOSED TO RAIN OR WATER.
10. 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.
 - THE PRODUCT EXHIBIT A DISTINCT CHANGE IN PERFORMANCE.
11. AVOID USING A TELEPHONE (OTHER THAN A CORDLESS TYPE) DURING AN ELECTRICAL STORM. THERE MAY BE A REMOTE RISK OF ELECTRIC SHOCK FROM LIGHTING.
12. DO NOT USE THE TELEPHONE TO REPORT A GAS LEAK IN THE VICINITY OF THE LEAK. SAVE THESE INSTRUCTIONS

WARRANTY EXCLUSIONS

This warranty does not cover, or may be voided by, the followings:

1. Any damage resulting from abuse or misuse (i.e. liquid spills, abuse, or customer's modification (warranty label broken) of the telephone.
2. Any damage caused by failure to follow operating or installation instructions provided with the telephone.
3. New faceplates or damage to the faceplate or discoloration of the telephone.
4. Any damage resulting from improper connection of the telephone to other equipment.
5. A telephone used in a harsh or corrosive environment.
6. Incompatibility with anything other than the PBX for which the telephone was intended during purchased.
7. Cords, connectors and replaceable batteries.
8. Force majeure.

COTELL PRODUCT SUPPORT

All support queries should be directed to:

Email: support@hotel-tech.com
Telephone: +44(0) 203 405 1200
Fax: +44(0) 203 411 6610
Website: www.cotellhotelphones.com
Sales: sales@hotel-tech.com

Please contact us should the above operating instructions not match the telephone.



Hotel Technology International Ltd

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