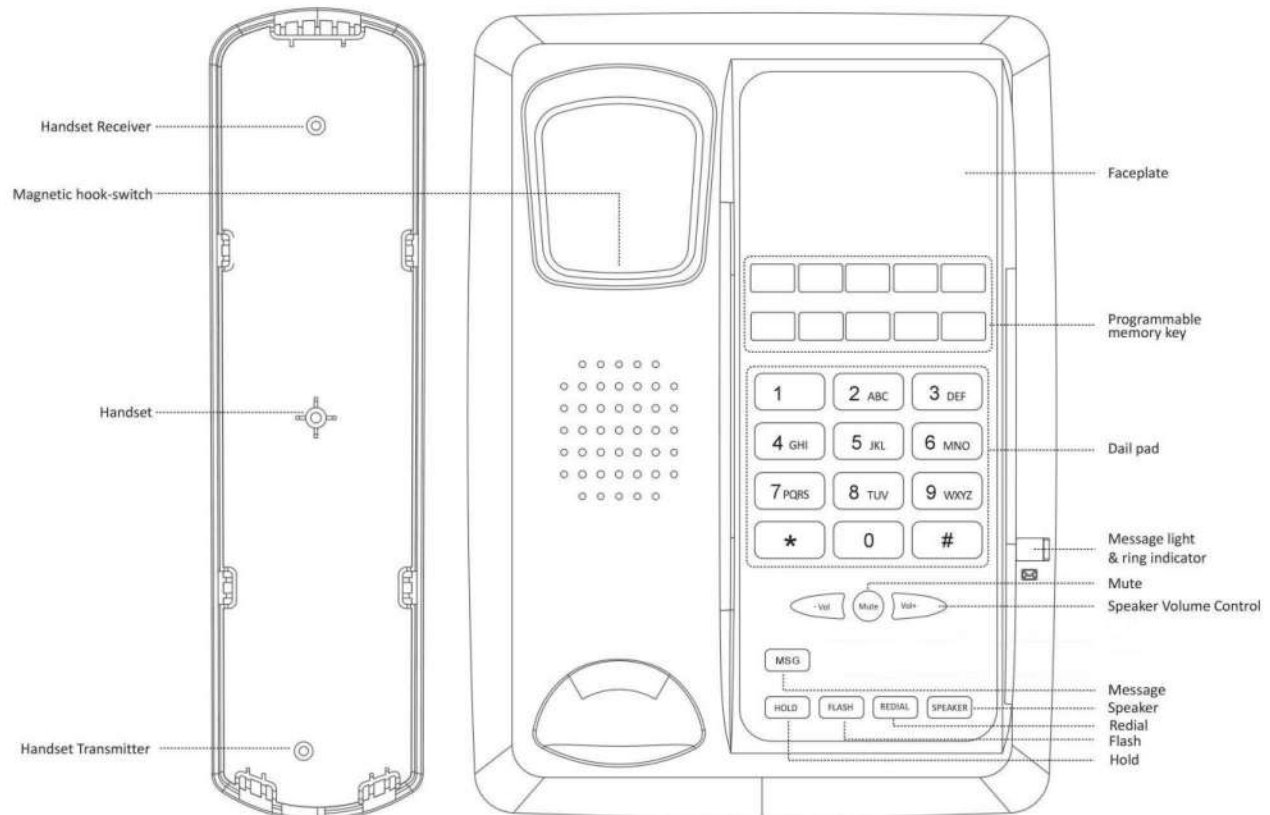


Hospitality Telephones User Guide

Fuego1000™ SmartStation™
Desktop IP Telephone
FG1088-IP (1S) SP
Single Line IP Guestroom Telephone



FG1088-IP(1S)SP Face Drawing



Features

- Support one SIP account
- 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
- Supported STUN, DNS, PPPoE, static IP and DHCP. Refresh DHCP when network reconnected
- Separated outbound proxy, registrar IP and port
- Configurable SIP port
- Configurable re-registration time
- Inter-digit timeout configurable

- Audio codec supported: G.711a, G.711u, G.723, G.729
- Support CNR and VAD (on G.723 and G.729)
- Adjustable jitter buffer
- Call hold, call waiting, call transfer
- Support 3-way conference call
- Last number redial
- message notification
- volume up/down, mute microphone / speaker-phone
- Allow SIP-Call Log
- firmware upgrade through TFTP
- web interface configuration with password
- configuration backup and restore through web page
- factory default setting restore

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
 - e. Power Adaptor (option)
2. Connect the handset to the telephone using the coiled handset cord provided.
3. Connect one end of the line cord to the telephone RJ45 socket and the other end to the wall telephone outlet.
4. Connect the power adaptor to the phone (option)
5. Install the faceplate (if delivered separately) onto the telephone.

Operation

A. Initiating a Call

Using the handset

1. Lift the handset.
2. Listen to dial tone.
3. Press the desired number on the keypad and wait for a few second or press “#” to dial out. Press a memory button for auto speed dial.
4. To end the call, place the handset back on the cradle.

Using speakerphone

1. Press speaker button. The red LED indicates that the speaker is active.
2. Listen to dial tone
3. Press the desired number on the keypad and wait for a few second or press # to dial out. Press a memory button for autodial.
4. To cut off the call temporarily to make another call, press the flash button.
5. To end the call, press the speakerphone button again. The LED will goes off.

B. Answering a Call

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

Using the handset

1. Lift up the handset to answer the call.
2. To end the call, place the handset back on the cradle.

Using speakerphone

1. Press the speakerphone to answer the call.
2. To end the call, press the speakerphone button again. 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.

Using the speakerphone

1. Press the speakerphone. The red LED (Line 1 or Line 2) indicates the speakerphone is active, press the REDIAL button to initial a redial call
2. To end the call, press the speakerphone again. The LED will turn off.

D. Speakerphone Volume

1. Adjust the Vol+ or Vol- button to increase or decrease the speakerphone volume.

E. Ringer Volume

1. Flip the Hi-Lo switch below the telephone body to increase or decrease the ring volume.

F. Call Transfer/Flash

Call Transfer

1. Unattended Transfer (Blind Transfer):

Using the handset

1. During conversation using handset,
2. Press Flash key and dial the third party's phone number (example: "Flash"+1234)
3. To activate unattended transfer, place the handset back on the cradle.

2. Attended Transfer:

Using the handset

1. The phone is in conversation.
2. To activate attended transfer, press "Flash" key and dial the third party's phone number followed by pressing # button or wait for a few seconds.
3. If the third party's phone is answered, place the handset back on the cradle to complete the transfer operation.

G. Hold

1. During conversation, press the HOLD button will place a call on hold. The opposite party will hear music.
2. To deactivate the call on hold, press the HOLD button again.

H. Mute

1. During conversation, press the MUTE button will disable the opposite party from hearing your conversation
2. To deactivate Mute, press the MUTE button again.

I. Programmable Memory Button

FG1088-IP (1S) SP has up to 10 programmable memory buttons. These buttons can be used to store commonly dial numbers or codes for activating PABX features.

Storing a number or a code

1. Please go to the phone web for memory button programming.

J. Message Retrieval

FG1088A (1S) SP requires 1 of the 10 memory button to be reserved for message retrieval button. The mail box number will be programmed into this memory location "Message" or "MSG". Set up the "Voice Mail Extension" in the phone Web.

When there is an incoming message, the message indicator will light up.

Retrieve a message using the handset

1. Lift up the handset; press the "Message" or "MSG" button to retrieve the message.
2. Once completed, place the handset back on the cradle

Retrieve a message using the speakerphone

1. Press the speakerphone button, the red LED indicates that the speakerphone is active. Press the "Message" or "MSG" button to retrieve the message.
2. Once completed, press the speakerphone again. The red LED will turn off.

Web Configuration

The IP phone can be remote configure via web. The interface support Internet Explorer and Mozilla Firefox.

A. Use web interface

Type *12345# on the telephone keypad; listen to the IP address via the speakerphone or handset

Type http://<Phone IP Address>/ on the browser to login.

Login name: admin

Password: admin



[Home](#) [Admin](#) [Configuration](#) [Call Log](#)



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WEB SERVER

System Information

Product	Fugeo IP Phone FG1088
Device Name	<input type="text"/>
MAC Address	00:12:BD:01:2A:48
IP Address	192.168.1.168
Hardware Version	v02A (1L base)
Firmware Datecode	Dec23, 2013 (1L)
Used Memory	<input type="text"/>
Uptime	<input type="text"/>

B. SIP Accounts

You can configure Username, Password, Registrar, Registrar Port, Outbound Proxy Server. Click "save" to save settings.

[Home](#) [Admin](#) [Configuration](#) [Call Log](#)**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](#)[Audio Settings](#)[Account 1](#)[Account 2](#)**SIP Account 1**

Display Name

User Id

Password

Use Account

Registrar IP

Registrar Port

Proxy Server Address

Expiry Time

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C. Audio Settings

There are 3 audio settings, which include In band, SIP info and RFC 2883.



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](#)
Audio Settings:
 [Account 1](#)
 [Account 2](#)

Audio Settings - Port 1

DTMF Mode	In Band ▾
SRTP Mode	Disabled ▾
Silence Suppression	<input type="checkbox"/>
Jitter	20 ▾
Packetization Time	20 ▾
Audio Codec 1	PCMU ▾
Audio Codec 2	PCMA ▾
Audio Codec 3	G.729 ▾
Audio Codec 4	G.722 ▾
Audio Codec 5	G.726 ▾
Audio Codec 6	iLBC ▾
Audio Codec 7	iLBC-20 ▾
ToS	0

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D. Phone Date/Time setting

You can choose "NTP" for setting the phone date/time. If NTP is being used, NTP sever address is needed
Enter TFTP Server IP.

[Home](#) [Admin](#) [Conferences](#) [Call Log](#)

Configuration Settings	Network Applications
Network / Print Log Settings	TFTP Server IP <input type="text" value="10.4.0.125"/>
Network Applications	NTP Enable <input checked="" type="checkbox"/>
Phone Settings	NTP Server Address <input type="text" value="ntp.forthnet.gr"/>
SIP / NAT Settings	Presence <input type="checkbox"/>
SIP Accounts	<input type="button" value="Save"/>
Account 1	
Account 2	
Call Settings	
Account 1	
Account 2	
Audio Settings	
Account 1	
Account 2	

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E. Phone Settings

You can set ring volume, speaker volume, handset volume and country dial tone.

[Home](#) [Admin](#) [Configuration](#) [Call Log](#)**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](#)[Audio Settings](#)[Account 1](#)[Account 2](#)**Phone Settings**Ring Volume Speaker Volume Handset Volume Country Tone

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F. Network Settings

There are 7 network settings: DHCP, IP Address, Subnet Mask, Default Gateway, Primary DNS and Secondary DNS.

[Home](#) [Admin](#) [Configuration](#) [Call Log](#)

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 Audio Settings Account 1 Account 2	Network Settings DHCP <input checked="" type="checkbox"/> Primary Interface Eth0 ▾ Secondary Interface Eth1 ▾ IP Address 10.4.0.11 Subnet Mask 255.255.255.0 Default Gateway 10.4.0.254 Primary DNS 0.0.0.0 Secondary DNS 0.0.0.0 IP Mode IPv4 ▾ Print Log Settings Enable Print <input type="checkbox"/> Print Level Level 0 ▾ Enable Lower Print Levels <input checked="" type="checkbox"/> Print To Console ▾ Syslog Server IP A Local File <input type="text"/> <input type="button" value="Save"/>
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G. Network Applications

Configure TFTP Server IP and NTP Time Server



[Home Admin Configuration Call Log](#)

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](#)
- [Audio Settings](#)
 - [Account 1](#)
 - [Account 2](#)

Network Applications

TFTP Server IP

NTP Enable

NTP Server Address

Presence

H. SIP NAT Settings

There are 3 transport protocols: UDP, TCP and TLS. You can also configure guest service key programming for each of the 10 keys and message key.

COTELL
The Hospitality Choice

[Home](#) [Admin](#) [Configuration](#) [Call Log](#)

<p>Configuration Settings</p> <ul style="list-style-type: none"> Network / Print Log Settings Network Applications Phone Settings SIP / NAT Settings SIP Accounts <ul style="list-style-type: none"> Account 1 Account 2 Call Settings <ul style="list-style-type: none"> Account 1 Account 2 Audio Settings <ul style="list-style-type: none"> Account 1 Account 2 	<p>SIP Settings</p> <p>Transport: <input type="text" value="UDP"/></p> <p>Session Timer: <input type="checkbox"/></p> <p>Update: <input type="checkbox"/></p> <p>PRACK: <input type="checkbox"/></p> <p>NAPTR: <input type="checkbox"/></p> <p>Flash button for same account: <input checked="" type="checkbox"/></p> <p>Local SIP Port: <input type="text" value="5060"/></p> <p>MSG Key: <input type="text"/></p> <p>Memory Key Settings</p> <p>Memory Key 0: <input type="text"/></p> <p>Memory Key 1: <input type="text"/></p> <p>Memory Key 2: <input type="text"/></p> <p>Memory Key 3: <input type="text"/></p> <p>Memory Key 4: <input type="text"/></p> <p>Memory Key 5: <input type="text"/></p> <p>Memory Key 6: <input type="text"/></p> <p>Memory Key 7: <input type="text"/></p>
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COTELL
The Hospitality Choice

[Home](#) [Admin](#) [Configuration](#) [Call Log](#)

<p>Configuration Settings</p> <ul style="list-style-type: none"> Network / Print Log Settings Network Applications Phone Settings SIP / NAT Settings SIP Accounts <ul style="list-style-type: none"> Account 1 Account 2 Call Settings <ul style="list-style-type: none"> Account 1 Account 2 Audio Settings <ul style="list-style-type: none"> Account 1 Account 2 	<p>Memory Key 7: <input type="text"/></p> <p>Memory Key 8: <input type="text"/></p> <p>Memory Key 9: <input type="text"/></p> <p>Emergency Call Settings</p> <p>Emergency Call Number: <input type="text"/></p> <p>Emergency Call Timeout: <input type="text" value="10"/></p> <p>NAT Settings</p> <p>NAT Mode: <input type="text" value="Off"/></p> <p>STUN Address: <input type="text" value="194.221.62.209"/></p> <p>STUN Port: <input type="text" value="3478"/></p> <p>RTP Port Start: <input type="text" value="18000"/></p> <p>RTP Port Stop: <input type="text" value="19000"/></p> <p><input type="button" value="Save"/></p>
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J. Home Page - About Phone

You can check Hardware and Software version.



[Home](#) [Admin](#) [Configuration](#) [Call Log](#)



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WEBSERVER

System Information

Product	Fugeo IP Phone FG10E
Device Name	<input type="text"/>
MAC Address	00:12:BD:01:2A:48
IP Address	192.168.1.168
Hardware Version	v02A (1L base)
Firmware Datecode	Dec23, 2013 (1L)
Used Memory	<input type="text"/>
Uptime	<input type="text"/>

J. Admin Menu

You can change password via browser. Select "Set Password" from left column, enter the password twice and save the change.

You can also upgrade firmware, upload configuration files and back up your configuration.

The screenshot shows the COTELL web interface. At the top left is the COTELL logo with the tagline "The Hospitality Choice". At the top right is a navigation menu with links: Home, Admin, Configuration, Call Log. Below the logo is a sidebar menu titled "Administrator Menu" with links: Dial a Number, Chat, Upgrade, Set Password, Reboot, and Restore Default. The main content area is titled "Dial a Number" and contains a "Phone Number" input field, "Dial" and "Hang Up" buttons, and a "Dialed Calls" section. At the bottom left, it says "This website is powered by".

The screenshot shows the COTELL web interface. At the top left is the COTELL logo with the tagline "The Hospitality Choice". At the top right is a navigation menu with links: Home, Admin, Configuration, Call Log. Below the logo is a sidebar menu titled "Administrator Menu" with links: Dial a Number, Chat, Upgrade, Set Password, Reboot, and Restore Default. The main content area is titled "Firmware Upgrade" and contains three sections: "Firmware File" with a "Browse..." button and "No file selected." text, and an "Upload" button; "Configuration Upgrade" with a "Browse..." button and "No file selected." text, and an "Upload" button; and "Configuration Backup" with a "Backup" button. At the bottom left, it says "This website is powered by".

To configure multiple units on a network a mass provisioning tool and guide can be obtained from the following links:

<http://www.cotell-international.com/ConfigFileGenerator.zip>

[http://www.cotell-international.com/Fuego_FG-IP\(xS\)SP_Mass_Provisioning_Tool_Guide.pdf](http://www.cotell-international.com/Fuego_FG-IP(xS)SP_Mass_Provisioning_Tool_Guide.pdf)

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.
9. Damages in transit.
10. Any damage resulting from unauthorized modification or repair of the telephone.

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