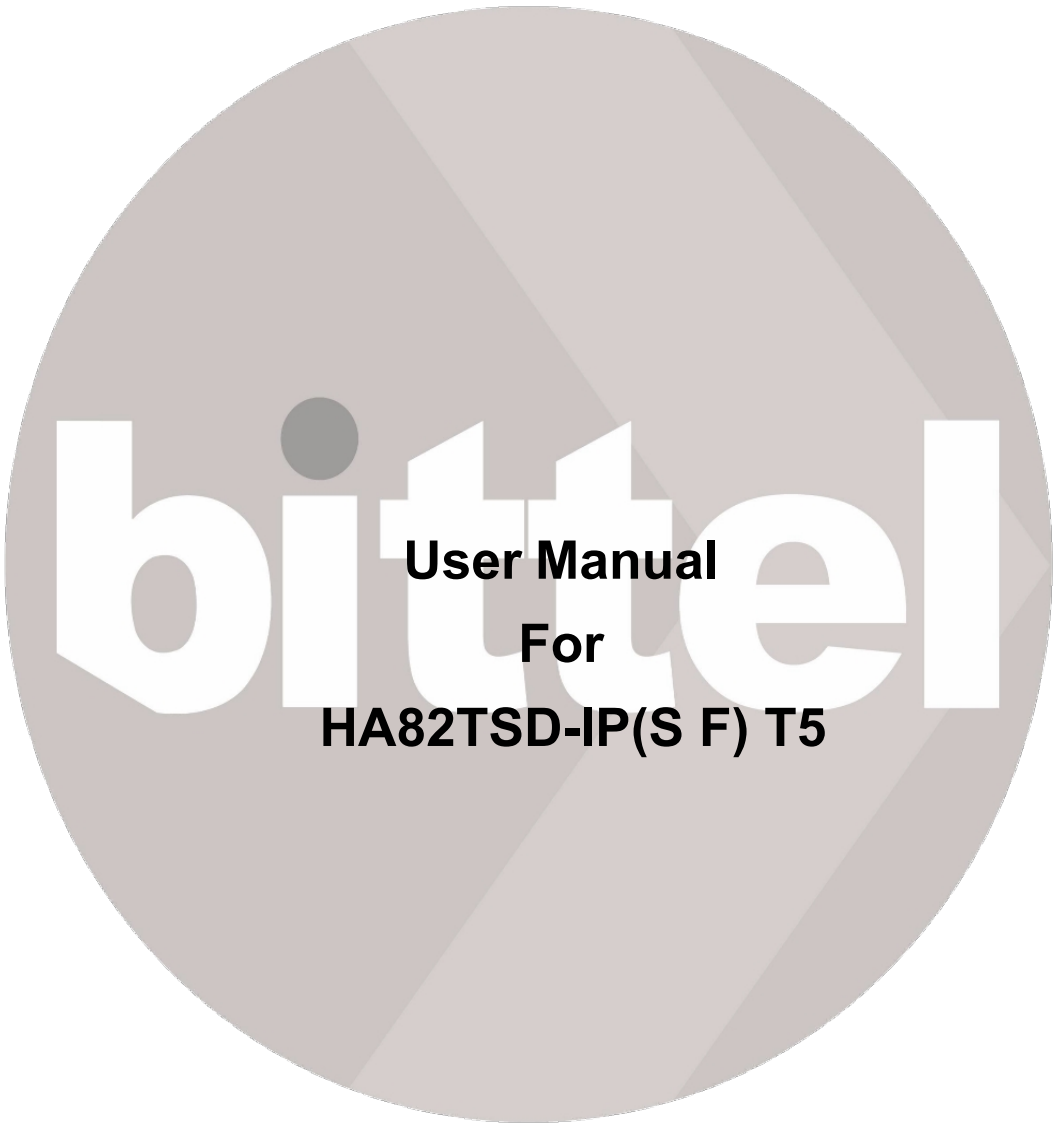


bittel



User Manual For HA82TSD-IP(S F) T5

We bring good things to Hotel/Hospitality

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Please read this manual before use.

1. Important Safety Information

Customer safety is paramount, and we are committed to developing products that are safe and effective. However, this product is an electronic device, and its functional components may pose potential safety hazards, especially if misused. To minimize these risks: Follow the instructions provided with the product. Adhere to all warnings in the product and operating guidelines. Carefully read and comply with the information in this document to avoid hazards and ensure a safer working environment.

Regularly inspect the product and its components for damage, wear, or signs of danger. For worn products, contact the manufacturer for replacement after one year of use to prevent unnecessary risks.

If any of the following conditions occur (though unlikely) or if safety concerns arise. Immediately stop using the product, disconnect it from power and communication lines, and contact customer support (0633-2212188) for guidance:

- a. Power cords, plugs, or adapters are cracked, broken, or damaged.
- b. Overheating, smoke, sparks, or signs of fire are observed.
- c. The product emits cracking, hissing, popping sounds, or strong odors.
- d. Liquid spills or foreign objects enter the device.
- e. The product, power cord, or adapter is exposed to water.
- f. The product is dropped or physically damaged.
- g. The product malfunctions during normal operation as per instructions.

2. Product Introduction

IP Phone is a VoIP device that transmits voice information over a data communication network. The HA82TSD-IP (S F) broadband phone is designed specifically for use in hotel guest rooms. The entire phone has clear sound quality, rich functions, stable performance, and a stylish and novel appearance, meeting the diverse needs of hotels for phones.

1. VOL+ key - handset and speaker receiver volume up button.
2. VOL - key - handset and speaker receiver volume down key.
3. MUTE (mute) key - During a call, the local device can be turned off for voice transmission.
4. HOLD key - During a call, the line can be held.
5. Power on key (green) - handset speaker power on and conversion key.
6. Hang up key (red) - press this key to hang up during speaker call on the handset.
7. Information indicator light - ringing, message information prompt.
8. Support message light indication and extraction function.

9. Support one click speed dial keys and print personalized service icons.
10. Support obtaining IP addresses through DHCP/MATIC IP method.
11. Supports DHCP/STATIC IP for IP address acquisition.
12. Supports audio codecs: G.711 / G.722 (HD Voice) / G.723 / G.729AB / G.726 / iLBC.
13. Supports protocols: SIP v2, SDP, RTP, RTCP, STUN, SNTP, DNS, SNMPv2, etc.
14. Complies with SIP protocol standards.
15. Supports firmware upgrades via HTTP/TFTP.
16. Dynamic voice detection; Comfort noise generation; Voice buffering technology; Echo cancellation
17. Supports POE power supply and is compatible with adapter power supply.

3. Installation and Usage Notes

- a. Handset installation: insert one end of the handset rope into the handset rope socket (13 in the following figure);
- b. Phone power supply method and network cable connection:
 1. POE power supply

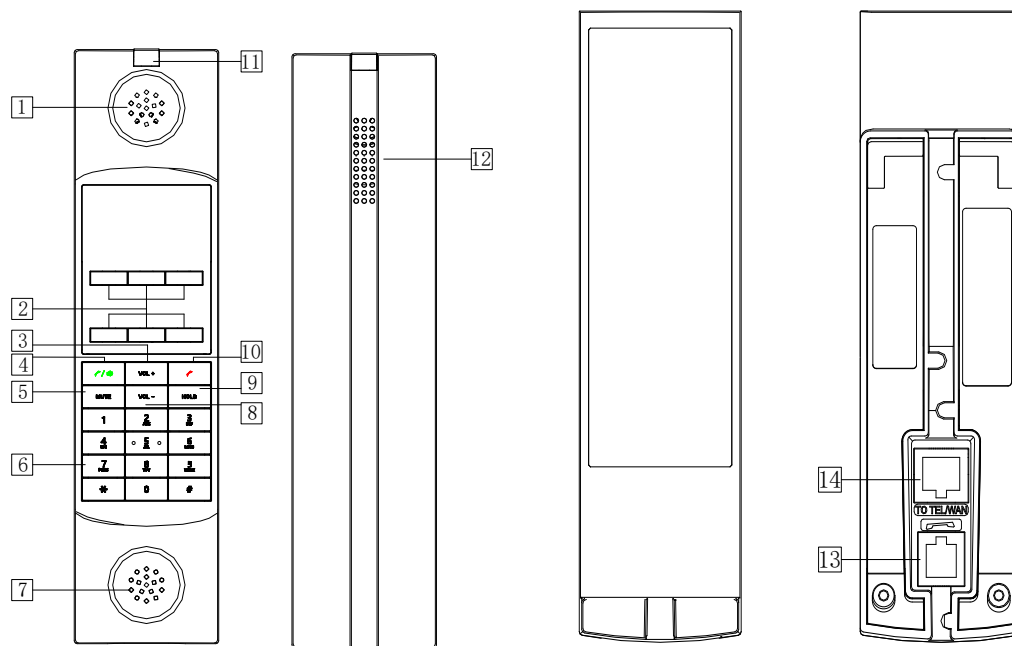
Connect one end of the Ethernet cable to the Ethernet socket of the phone (14 in the following figure), and the other end to the LAN port of a router or switch with POE power supply function.

2. Adapter power supply (usually not included)

To power the phone identification adapter, connect the 9V power adapter to the DC power socket below the phone. Connect the network cable to the telephone Ethernet socket (14 in the figure below).

- c. Install the base unit in a dry and clean area to avoid moisture, which may affect performance.
- d. Keep the base unit fireproof, splash-proof, and shockproof. Clean surface dust with a soft cloth only—do not use chemical solvents.

4. Key and Function Interface Description



- | | | |
|-------------------------|-------------------------|-----------------------|
| 1. Receiver | 2. Speed Dial | 3. VOL + |
| 4. Handset / Speaker | 5. MUTE | 6. Numeric Keypad |
| 7. Handset Mic | 8. Female Charging Port | 9. VOL - |
| 10. HOLD | 11. Hook Up | 12. Message Indicator |
| 13. Handset Rope Socket | 14. Ethernet Socket | |

5. Methods of Use

5.1 IP Address Announcement

After powering on the handset, press the * key on the panel four times consecutively to enter the voice menu. Follow the voice prompts:

1. First press '1' (Network Configuration)
2. Then press '2' (WAN Port IP Address)

The system will then verbally announce the obtained IP address.

5.2 WEB Interface Login

After obtaining the IP address via voice prompt:

1. Open a browser on your computer and enter the base unit's IP address in the address bar
2. The login interface (as shown in the diagram below) will appear
3. Enter the base unit username and password
4. Click the **[Login]** button to access the WEB interface

Important Notes:

- a. Login Credentials:

Admin Mode: Username & password default to admin (lowercase) - allows access to all WEB interface features.

User Mode: Username & password default to user (lowercase) - permits viewing only partial information.

b. Network Configuration:

The base unit ships with DHCP mode enabled by default. Simply connect it to a DHCP-enabled network for automatic network access.

5.3 WEB Interface Function Description

5.3.1 Base Unit Status

- a. Product Information
- b. Line Status
- c. Network Status
- d. Wireless Info
- e. System Status

5.3.2 Network Configuration

The base unit defaults to DHCP mode for automatic IP address assignment. After accessing the WEB interface, you can adjust settings based on your network environment.

WAN IP Mode	Select the WAN port IP address acquisition method, configurable as Static/DHCP/PPPoE/Bridge
MAC Address Clone	Enable MAC address cloning function?
NAT Enable	Enable NAT function?
VLAN Mode	Enable VLAN mode?
VLAN ID	Set VLAN ID
DNS Mode	DNS type is Manual: The user should manually set the primary DNS and secondary DNS. DNS type is Auto: The IP phone automatically obtains the primary DNS and secondary DNS from the DHCP server.
IP Address	IP address of the network port
Subnet Mask	Subnet mask of the network port
Default Gateway	Default gateway of the network port

Note:

- a. When switching the desk phone's IP address from dynamic to static, you must manually configure the IP address, subnet mask, default gateway, and DNS-related settings.
- b. After performing the IP address switching operation, save and apply the settings first, then restart the desk phone. After the restart, the current IP address will become invalid, and you need to re-announce and log in using the new IP address. Ensure the network is functioning properly when using

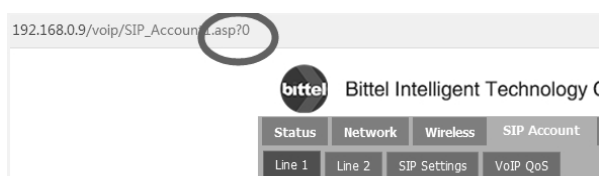
the desk phone.

5.3.3 SIP Account Configuration

For standard base unit operation, configure only the following essential fields:
Proxy Server, Display Name, Phone Number, Account, Password

Basic	Configure the basic information provided by the VoIP service provider, such as phone number, account, password, SIP proxy, etc.
Audio Configuration	Audio Settings: Select Audio Codec.
Supplementary Service Subscription	Accessibility Features
Call Waiting	Enable call waiting function
Hotline	Set Hotline Number
MWI Enable	Enable voicemail function
Voice Mailbox Numbers	Voicemail Server
MWI Subscribe Enable	MWI Subscription

Note: When entering the LINE1 account to configure web interface information, the browser suffix is 0.



5.3.4 Phone Properties

Users can set sound volume, call forwarding, and other functions in the property interface.

Handset Input Gain	Adjust the volume input of the handset MIC
Handset Volume	Adjust the receiving volume of the handset
Speakerphone Input Gain	Adjust the input volume of the speaker MIC
Speaker Volume	Adjust the volume of speaker reception
Ringer Volume	Adjust the volume of the ringing sound
Speakerphone Mic Boost	Is the mic volume turned up 20dB?
Tone Type	Select the tone type China, USA, etc
Ringing Time(10-300sec)	Set ringing time
All Forward	Transfer all calls
Busy Forward	Transfer calls when busy
No Answer Forward	Unanswered transfer call to
DND	Do not disturb

5.3.5 Speed Dial Number Configuration

After entering the speed dial key configuration page, fill in the speed dial key number in the expansion corresponding to the speed dial key. After filling in, save and

restart to take effect.

Note:

- a. The phone supports 6 speed dial numbers.
- b. The speed dial key has 31 digits at most.

5.3.6 Base Unit Management

On this interface, users can configure the base unit login password, select language preferences, restore factory settings, etc.

5.3.7 Upgrade Method

Local Upgrade	Click " Choose File " to select the firmware file, then click " Upgrade " to begin the update process. Upon successful completion, the base unit will return to the initial interface.
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5.4 WEB Operations

The WEB interface contains extensive settings. Except for routine configurations, do not modify other parameters unless instructed.

6. Voice Menu Instructions

The phone supports a voice menu system for configuration. To access it:

1. Activation: Rapidly press the '*' key four times when the handset is powered on.
2. Exit: Hang up to immediately quit the voice menu.

Network Configuration	Press 1 to enter Menu 2 for network configuration options.
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Phone Port Configuration	Press 2 to enter Menu 3 for telephone port options.
Factory Reset	Press 3 to enter the password prompt. After entering the password, the base unit will restore factory settings.
Speed Dial Configuration	Press 4 to enter the speed dial configuration. First enter the speed dial key, then enter the speed dial number to complete the setup.
Reboot	Press 5, enter the password, and the base unit will restart.
WAN Port Login	Press 6, enter the password to configure Wan port login permissions.
WEB Access Port	Press 7, enter the password to configure the web login port.
Software Version	Press 8 to hear the current system software version.

Menu 2:

WAN port connection type	Press 1 to hear the current Wan port connection type. Enter the password to configure the connection type.
WAN port IP address	Press 2 to hear the current IP address.
WAN port subnet mask	Press 3 to hear the current subnet mask.
Gateway	Press 4 to hear the current gateway.
DNS	Press 5 to hear the current DNS.

Menu 3:

Phone number	Press 1 to hear the current phone number.
Server IP address	Press 2 to hear the current server IP address.
Physical port	Press 3 to hear the current physical port.
Call forwarding settings	Press 4 to configure call forwarding options.
Volume control mode	Press 5 to select volume control mode.
Redial timing	Press 6 to set whether the redial number disappears regularly.
Ringtone Adjustment Mode	Press 7 to set whether to allow ringtone volume adjustment.
Speed dial key auto power on setting	Press 8 to set the one-touch dialing function for the speed dial key.

Notes:

- a. After completing settings via the voice menu, restart the base unit.
- b. Password input via keypad:
 - For A, B, C, a, b, c, press 2.
 - For D, E, F, d, e, f, press 3.
 - For G, H, I, g, h, i, press 4.

- For J, K, L, j, k, l, press 5.
 - For M, N, O, m, n, o, press 6.
 - For P, Q, R, S, p, q, r, s, press 7.
 - For T, U, V, t, u, v, press 8.
 - For W, X, Y, Z, w, x, y, z, press 9.
 - Other characters: Press 0.
 - IP address input: Use '*' for '.' (e.g., 192.168.10.100 → enter 192*168*10*100).
- c. Return to the previous menu: Press * once.
- d. Exit the voice menu: Hang up

7. Basic Operations of Phone

7.1 Call

7.1.1 Call Off-hook/On-hook/Speaker Status Switching

- a. When the phone is on-hook, picking up the corded handset can turn it on, and the ON indicator light will turn on. During a handset call, pressing the ON key will switch the handset call to the speaker mode. Pressing the OFF key or placing the handset back on the base will hang up the phone, and the ON indicator light will turn off.
- b. When the handset is on-hook on the base, pressing the ON key will power on the speaker mode, and the ON indicator light will turn on. During a hands-free call, picking up the handset will switch to handset call mode. After the call ends, pressing the OFF key or placing the handset back on the base will hang up the phone, and the ON indicator light will turn off.

7.1.2 Speed Dial

- a. There are two methods for storing speed dial numbers:

First, manual number storage: Enter the voice menu, select 4 (Speed Dial Key Configuration); Press the numeric key corresponding to the speed dial key where you want to store the number, followed by the # key to confirm; Enter the number to be stored, then press the # key to confirm; Restart the phone.

Second, WEB number storage: Open the multi-function key section on the web page; Enter the numbers to be saved in sequence; Click "Save," then restart the phone.
- b. The speed dial keys on the phone correspond to the phone numbers in the phonebook. When the phone is powered on, pressing a speed dial key will directly dial the corresponding number in the phonebook.

Note: The speed dial number can be up to 31 digits.

7.2 Answer

7.2.1 Answer Incoming Calls

When in standby mode, pressing the ON key during an incoming call will activate the hands-free call mode on the main unit.

When the phone is ringing, picking up the corded handset will switch to corded handset call mode.

7.2.2 HOLD Function

During a call, pressing the HOLD key (with the HOLD indicator light staying on) will put the current call on hold, pause the conversation with the caller, and play a music hold tone to the caller. Pressing the HOLD key again (with the HOLD indicator light turning off) will release the call hold.

7.2.3 MUTE Function

During a call, pressing the MUTE key (with the MUTE indicator light staying on) will mute the local transmission, allowing you to continue listening to the other party's voice. Pressing the MUTE key again (with the MUTE indicator light turning off) will cancel this function and resume normal communication.

7.2.4 Volume Adjustment

During a speaker or handset call, pressing the VOL+ or VOL- keys can adjust the call volume. The ringer volume can be adjusted when the phone is on-hook.

7.3 MSG Voicemail Retrieval

When a message arrives but is not viewed in time, the message LED indicator will flash to prompt the user of an unread message. In the hands-free or corded handset power-on state, pressing the message (MSG) key will make the phone dial the pre-set message service number. Follow the voice prompts to retrieve the message.

7.4 Factory Reset

When the phone is powered on and starts successfully, enter the voice menu and select 3, then enter the phone password and press the # key to restore the factory settings. After restoring the factory settings, the phone needs to be restarted.

7.5 WIFI Connection Function (Available for Adapter - type Models)

The phone's WIFI function is turned off by default. Log in to the WEB interface, select the network in Wireless - Repeater, click "Connect" at the lower left corner, enter the password in "Password" and click "OK" to save. Unplug the network cable, use the adapter to restart the phone, and then the phone can achieve wireless connection.

7.6 AP Function

- a. Log in to the WEB interface, select "Enable" in **Network - NAT Enable**, and save and apply the settings.
- b. Log in to the WEB interface. In **Network - Connect Name**, select

2_Other_B_VID. For its network configuration, choose **Hardware IP Bridge** in **Bridge Type**. In **Port Bind**, tick the boxes in front of both **Port_1** and **Wireless (SSID)**, then save and apply the settings.

- c. In **Wireless - Basic - Wireless Connection Mode**, select **AP**. In **Multiple SSID**, enter the name of the wireless network to be set, and check the **ENABLE** box next to it. After completing the settings, save and apply them.
- d. In **Wireless - Wireless Security - Pass Phrase**, enter the password for the wireless network, then save and apply the settings.
- e. Restart the phone. After the phone starts up completely, the AP function can be used. (When using the AP function, the WIFI connection function is not supported.)

7.7 POE Power Supply Instructions

When using POE, the phone can view the POE power level by managing switches with POE ports. This model has a POE power supply level of level 1.

8. Packing List

1. Base Unit
2. Ethernet Cable
3. Handset
4. Operation Instructions

9. Simple failure diagnosis and troubleshooting

The base unit has no power.	1.Check if the network cable is properly connected and whether it supports POE 2. Verify if the base unit's power source is incorrectly selected.
The base unit cannot obtain an IP address.	1. Check whether the base unit's dialing method is correct. 2. Verify if the network environment is functioning normally. 3. Check if there are VLAN settings on the network.
Unable to access the base unit's web interface.	Check whether the computer and the base unit are on the same network.
Handset has no audio.	Check whether the handset is properly connected to the base unit.
Unable to make outgoing calls.	1、 Check whether the network connection is normal. 2、 Whether the account is enabled. 3、 Whether the base unit account and server information are filled in correctly.
Abnormal operation	Power off the base unit, then power it on again. Wait for one minute after power-on before performing any operations.

10. Environmental Statement

The products meet the requirements of international environmental protection standards, such as packaging materials to comply with the Packaging Directive: $Pb+Cd+Hg+Cr^{6+}<100PPM$.

11. WARRANTY

This product is warranted for a period of 12 months from the date of purchase against faulty materials or workmanship. If during this period a defect arises, we may repair or

replace the product, at Bittel's discretion, provided that:

- 1) The product has not been used for any purpose other than normal use,
- 2) Unauthorized product repair or modifications have not been attempted.
- 3) The product has never been used in a harsh or corrosive environment.
- 4) No damage in transit

THIS LIMITED WARRANTY GIVES THE BUYER SPECIFIC LEGAL RIGHTS. THE BUYER MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION.

This warranty is only valid for merchandise purchased directly from Bittel or dealers or distributors Bittel Co. authorized.

12. FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CONTACT BITTEL

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