



Htek IP Phone Configuration Guides

Version 1.0

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1. Introduction

This guide shows you how to manually configure Htek IP phones with MyPBX and how to provision the Htek IP phones with MyPBX. It has been tested with the latest firmware version supported by MyPBX firmware version X.19.0.47.

Applicable Models:

- Htek UC623
- Htek UC626
- Htek UC802
- Htek UC803
- Htek UC804
- Htek UC840
- Htek UC842
- Htek UC806
- Htek UC860
- Htek UC862

2. Register with MyPBX Manually

1. Start up the phone and identify its IP Address by pressing **Menu->Status->Network** on the phone, and you will find IP address of the phone. In this guide we will assume the IP address of the phone is 192.168.6.125 and IP address of MyPBX is 192.168.6.126.
2. Start the browser on PC. In the address bar, enter the IP address of the phone: `http://192.168.6.125`.
3. Enter the phone's login username (default "admin") and password (default "admin").

The screenshot shows the Htek web interface. The header includes the Htek logo and navigation tabs: Home, Account, Network, Function Keys, Setting, Directory, Management. A 'logout' link is in the top right. The main content area is divided into sections:

- Status** (selected tab)
- Version**
 - Product Model: UC962
 - Firmware Version:
 - BOOT-1.0.3.35(2014-10-16 13:22:00)
 - IMG-1.0.3.82(2015-04-30 16:06:00)
 - ROM-1.0.3.82(2015-04-30 16:09:00)
 - DSP-9.0.3(Patch 1.0.0)
- Account Status**
 - Account1: Registered
 - Account2: Registered
 - Account3: Registered
 - Account4: Disabled
- NOTE**
 - Version:** It shows product type and the version of firmware.
 - Account Status:** It shows the registered status of accounts.
 - Network:** It shows the information of WAN port and LAN ports.
 - System Up Time:**

2.1 Register SIP Extension

We now need to set SIP phone to register with MyPBX. Click "Account" tab, choose "Account 1", configure as below:

The screenshot shows the Htek web interface for configuring an account. The 'Account' tab is active, and the configuration is for 'Account 1'. The 'Account Status' is 'Registered'. The 'Account Active' radio button is set to 'Yes'. The 'Primary SIP Server' is '192.168.6.126'. The 'SIP Transport' is set to 'UDP'. The 'Label' is 'catherine', 'SIP User ID' is '100', 'Authenticate ID' is '100', 'Authenticate Password' is masked with dots, and 'Name' is 'catherine'.

- 1) **Account Active:** choose "Yes".
- 2) **Primary SIP Server:** enter the IP address of MyPBX, 192.168.6.126.
- 3) **SIP Transport:** choose "UDP".
- 4) **Label:** the name showing on the LCD of Htek phone.
- 5) **SIP User ID:** the extension number which you want to register, in this guide is 100.
- 6) **Authentication ID:** the extension number which you want to register, in this guide is 100.
- 7) **Authentication Password:** enter the password of the extension.
- 8) **Name:** the local phone name showing on the other phone when calling.

Click "SaveSet", you will see the Account Status "Registered" if the account is successfully registered to MyPBX.

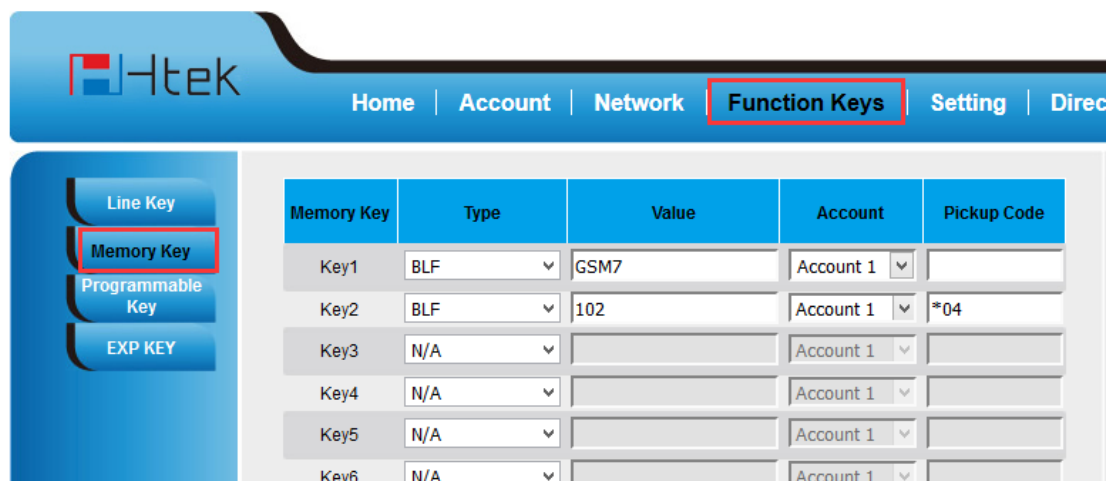
2.1 Configuring BLF on Htek

You can monitor the status of extension/ trunk via BLF.

Notes:

- MyPBX supports to monitor PSTN, GSM and SIP trunk.
- You can seize a PSTN or GSM trunk by pressing BLF key and dial out.
- Please choose the correct “Account” which is registered to MyPBX, or it will not work.

Click “Function Keys” tab, and go to “Memory Key” to configure BLF.



Memory Key	Type	Value	Account	Pickup Code
Key1	BLF	GSM7	Account 1	
Key2	BLF	102	Account 1	*04
Key3	N/A		Account 1	
Key4	N/A		Account 1	
Key5	N/A		Account 1	
Key6	N/A		Account 1	

- **Type:** choose “BLF”.
- **Value:** enter the monitored extension number or trunk name of MyPBX.
- **Account:** choose the account which is registered to MyPBX.
- **Pickup Code:** enter the pickup code of MyPBX (default is *04), when the monitored extension is ringing, you can press the BLF key to pick up the call.

3. Provisioning Htek IP Phones

The easiest way to set up a Htek phone for use with MyPBX is to use the built-in plug and play provisioning functionality inside MyPBX. This will allow the phone to configure itself by retrieving a generated phone configuration file. Alternatively you can configure using DHCP method.

1) Verify the Firmware on Your Htek IP Phone

We have tested Htek IP Phones with the 1.0.3.84 firmware. Please check to see which firmware is installed on your Htek IP Phones as older firmware may not allow the plug and play feature to work.

Press "**Menu->Status->Information**" on the phone to check the firmware version.

2) Plug Your Phone into the Network

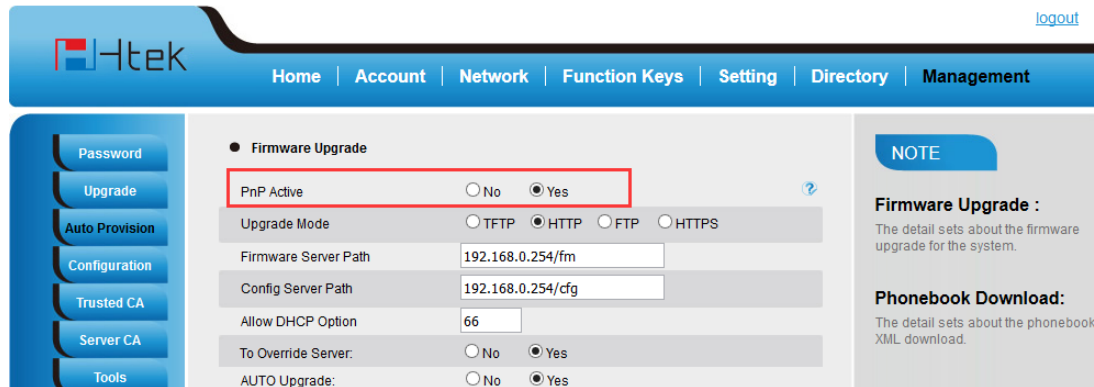
Plug your Htek phone into your LAN. (The Phone must be on the same LAN as that of MyPBX IP PBX).

3) Configure Htek Phones and Assign Extensions

MyPBX supports to provision Htek phones via PnP mode and DHCP mode. If you choose DHCP mode, you need to set MyPBX as the only DHCP server in the local network.

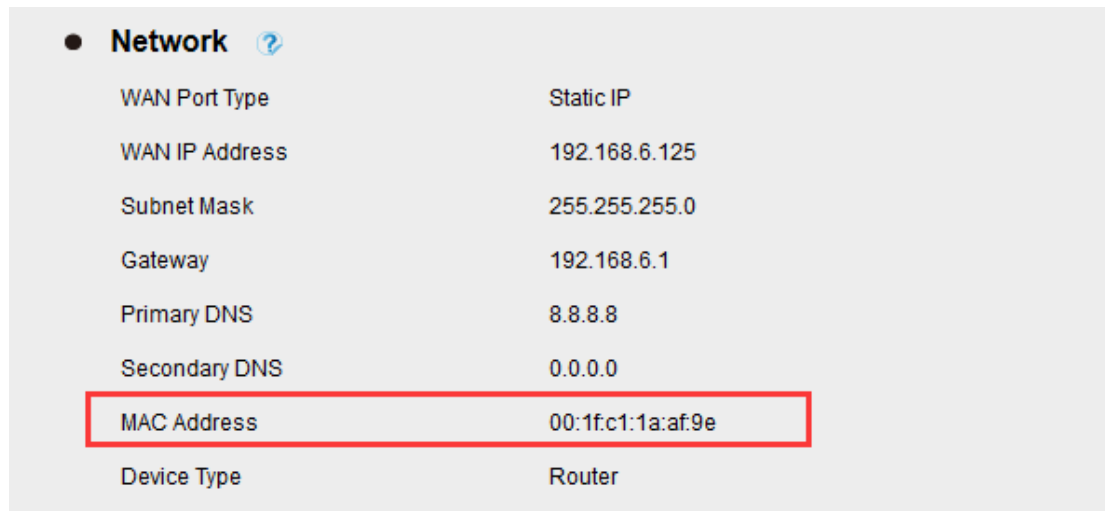
3.1 Phone Provisioning via PnP mode

Step1. Log in Htek phone web user interface, go to “**Management->Auto Provision**” to enable PnP feature on your Htek phone.




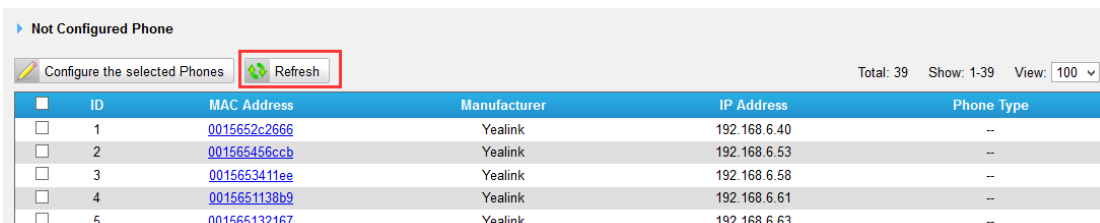
The screenshot shows the Htek web interface with the 'Management' menu selected. The 'Firmware Upgrade' section is active, and the 'PnP Active' option is checked. The 'Upgrade Mode' is set to 'HTTP'. The 'Firmware Server Path' is '192.168.0.254/fm' and the 'Config Server Path' is '192.168.0.254/cfg'. The 'Allow DHCP Option' is set to '66'. The 'To Override Server' option is checked. A 'NOTE' section on the right provides details about the firmware upgrade and phonebook download.

Step2. Go to “**Home->Status**” to check your Htek phone’s MAC address.



The screenshot shows the 'Network' status page. The 'MAC Address' is highlighted with a red box and is 00:1f:c1:1a:af:9e. Other network settings include WAN Port Type (Static IP), WAN IP Address (192.168.6.125), Subnet Mask (255.255.255.0), Gateway (192.168.6.1), Primary DNS (8.8.8.8), and Secondary DNS (0.0.0.0). The device type is identified as a Router.

Step3. Log in MyPBX web user interface, go to “**PBX->Extensions->Phone Provisioning**”. Click  Refresh for “Not Configured Phone”, and find out your Htek phone by the MAC address.



The screenshot shows the 'Not Configured Phone' section in the MyPBX web interface. A 'Refresh' button is highlighted with a red box. Below the button is a table listing 5 phones that are not configured. The table has columns for ID, MAC Address, Manufacturer, IP Address, and Phone Type.

ID	MAC Address	Manufacturer	IP Address	Phone Type
1	0015652c2666	Yealink	192.168.6.40	--
2	001565456ccb	Yealink	192.168.6.53	--
3	0015653411ee	Yealink	192.168.6.58	--
4	0015651138b9	Yealink	192.168.6.61	--
5	001565132167	Yealink	192.168.6.63	--

Step4. Click on the mac address to configure the phone.

Not Configured Phone

Configure the selected Phones Refresh Total: 39 Show: 1-39 View: 100

ID	MAC Address	Manufacturer	IP Address	Phone Type	
<input type="checkbox"/>	1	0015652c2666	Yealink	192.168.6.40	--
<input type="checkbox"/>	2	001565456ccb	Yealink	192.168.6.53	--
<input type="checkbox"/>	3	0015653411ee	Yealink	192.168.6.58	--
<input type="checkbox"/>	4	0015651138b9	Yealink	192.168.6.61	--
<input type="checkbox"/>	5	001565132167	Yealink	192.168.6.63	--
<input type="checkbox"/>	6	00156552dcae	Yealink	192.168.6.77	--
<input type="checkbox"/>	7	001565340148	Yealink	192.168.6.87	--
<input type="checkbox"/>	8	001565650254	Yealink	192.168.6.91	--
<input type="checkbox"/>	9	00156565ed4a	Yealink	192.168.6.98	--
<input type="checkbox"/>	10	0015652c24cc	Yealink	192.168.6.102	--
<input type="checkbox"/>	11	00156533fae8	Yealink	192.168.6.103	--
<input type="checkbox"/>	12	001565650204	Yealink	192.168.6.110	--
<input type="checkbox"/>	13	0015651118c2	Yealink	192.168.6.111	--
<input type="checkbox"/>	14	001fc11aaf9e	Htek	192.168.6.125	--

Step5. Assign extensions to the phone, and you can also configure the Memory keys and Line keys.

Add Phone X

General Memory Keys Settings Line Keys Settings

Enabled: Yes

MAC Address: 001fc11aaf9e Name:

Manufacturer: Htek Phone Type: UC862

Line

<input checked="" type="checkbox"/> Line1	Extension: 101	Label: 101	Line Active: <input checked="" type="checkbox"/>
<input type="checkbox"/> Line2	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/> Line3	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/> Line4	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>

Save Cancel

Step6. Click “Save”, the phone will reboot automatically to apply the configuration.

3.2 Phone Provisioning via DHCP Mode

Step1. Disable DHCP Server on your local network.

E.g. Disable DHCP Server on Linksys Router.

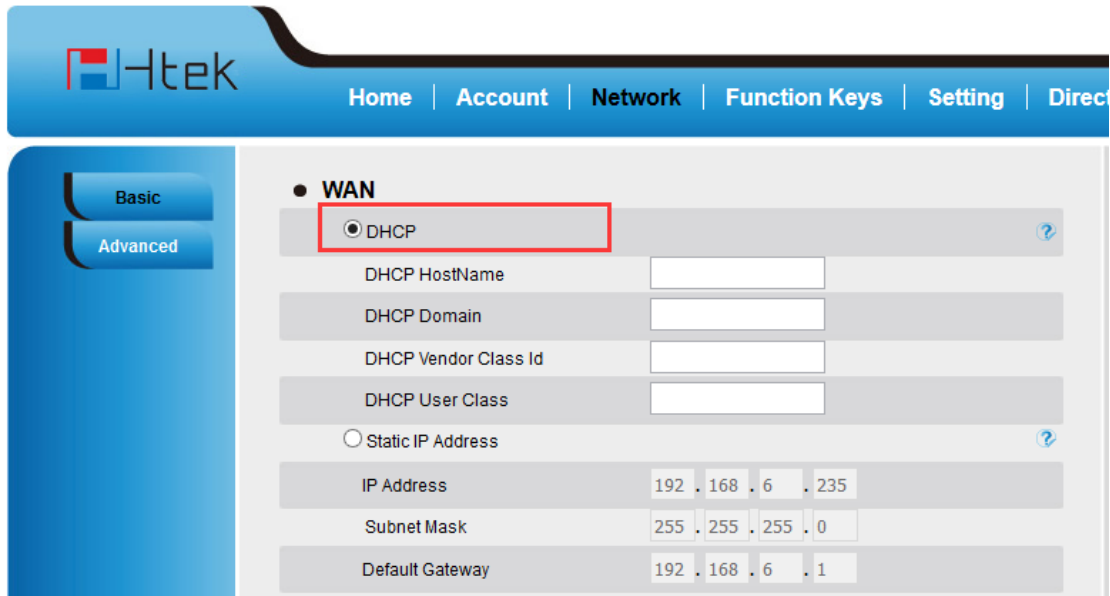
The screenshot shows the Linksys BEFSR41 router's configuration interface. The 'Local DHCP Server' section is highlighted with a red box. The 'Disable' radio button is selected, and the 'Start IP Address' is set to 192.168.1.100. The 'Number of Address' is set to 50. The 'DHCP Address Range' is 192.168.1.100 to 192.168.1.149. The 'Client Lease Time' is 0 minutes. The 'Static DNS' fields are all set to 0.0.0.0. The 'WINS' field is also set to 0.0.0.0. The 'Save Settings' and 'Cancel Changes' buttons are visible at the bottom.

Step2. Enable DHCP Server on MyPBX to make MyPBX as the DHCP server in the local network.

Log in MyPBX web interface, go to “**System ->Network Preferences->DHCP Server**”, enable DHCP server.

The screenshot shows the MyPBX DHCP Server configuration page. The 'DHCP Server' section is titled 'DHCP is running' and the 'Enable' checkbox is checked. The 'Router' IP is 192.168.6.1, 'Subnet Mask' is 255.255.255.0, 'Primary DNS' is 192.168.6.1, and 'Allow IP Address From' is 192.168.6.2 to 192.168.6.254. The 'TFTP Server' is set to tftp://192.168.6.126. The 'NTP Server' field is empty. The 'Save' and 'Cancel' buttons are visible at the bottom.

Step3. Set your Htek phone as one DHCP client. Go to “**Network->Basic**” to enable DHCP.



Step3. Go to MyPBX “*PBX->Extensions->Phone Provisioning*”, select your Htek phone from “Not configured Phone”.

Not Configured Phone

Configure the selected Phones Refresh Total: 39 Show: 1-39 View: 100

ID	MAC Address	Manufacturer	IP Address	Phone Type
1	0015652c2666	Yealink	192.168.6.40	--
2	001565456ccb	Yealink	192.168.6.53	--
3	0015653411ee	Yealink	192.168.6.58	--
4	0015651138b9	Yealink	192.168.6.61	--
5	001565132167	Yealink	192.168.6.63	--
6	00156552dcae	Yealink	192.168.6.77	--
7	001565340148	Yealink	192.168.6.87	--
8	001565650254	Yealink	192.168.6.91	--
9	00156565ed4a	Yealink	192.168.6.98	--
10	0015652c24cc	Yealink	192.168.6.102	--
11	00156533fae8	Yealink	192.168.6.103	--
12	001565650204	Yealink	192.168.6.110	--
13	0015651118c2	Yealink	192.168.6.111	--
14	001fc11aaf9e	Htek	192.168.6.125	--

Step4. Assign extensions to the phone, and you can also configure the Memory keys and Line keys.

Add Phone [X]

General | Memory Keys Settings | Line Keys Settings

Enabled: Yes

MAC Address: 001fc11aaf9e Name:

Manufacturer: Htek Phone Type: UC862

Line

<input checked="" type="checkbox"/> Line1	Extension: 101	Label: 101	Line Active: <input checked="" type="checkbox"/>
<input type="checkbox"/> Line2	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/> Line3	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/> Line4	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>

Save Cancel

Step5. Click “Save”, the phone will reboot automatically to apply the configuration.

<End>