

Analog Telephone Adapter Network settings via Keypad commands:

- The ATA series phone adapters (VIP-156/VIP-156PE/VIP-157/VIP-157S) support telephone keypad configurations, please connect analog telephone set and refer to the following table for machine network configurations.

| IVR Menu Choice | Machine operation | Parameter(s) | Notes: |
|----------------------|-------------------------|---|--|
| #111# | Set DHCP client | None | ATA will change to DHCP Client |
| #112xxx*xxx*xxx*xxx# | Setup Static IP Address | Use the * (star) key when entering a decimal point. | DHCP will be disabled and system will change to the Static IP type. |
| #113xxx*xxx*xxx*xxx# | Set Network Mask | Use the * (star) key when entering a decimal point. | Must set Static IP first. |
| #114xxx*xxx*xxx*xxx# | Set Gateway IP Address | Use the * (star) key when entering a decimal point. | Must set Static IP first. |
| #115xxx*xxx*xxx*xxx# | Set Primary DNS Server | Use the * (star) key when entering a decimal point. | Must set Static IP first. |
| #190# | Unlock | None | Must unlock the protect function before set up network settings and ATA function via keypad. |
| #191# | Lock | None | The system will be lock and can't set up network settings via keypad. |
| #195# | Reboot | None | The system will reboot automatically. |
| #198# | Factory Reset | None | The system will be reset to factory default value and reboot automatically. |
| 0* | To switch PSTN mode | None | VIP-157 only |

- Following keypad commands can be used to display the network settings enabled on ATA via voice prompt.

| IVR Menu Choice | Machine operation | Notes: |
|-----------------|----------------------------------|---|
| #120# | Check PC IP Address | IVR will announce the current IP address of the ATA. |
| #121# | Check network connection Type | IVR will announce if DHCP is enabled or disabled. |
| #122# | Check the Phone Number | IVR will announce current enabled VoIP number. |
| #123# | Check Network Mask | IVR will announce the current network mask of the ATA. |
| #124# | Check Gateway IP Address | IVR will announce the current gateway IP address of the ATA. |
| #125# | Check Primary DNS Server Setting | IVR will announce the current setting in the Primary DNS field. |
| #126# | Check LAN IP Address | IVR will announce the current IP address of the ATA. |
| #128# | Check Firmware Version | IVR will announce the version of the firmware running on the ATA. |

- Following keypad commands can be used to set up the main function .

| IVR Menu Choice | Machine operation | Parameter(s) | Notes: |
|-----------------|----------------------|---|---|
| #138# | Enable call waiting | None | Enable Call waiting |
| #139# | Disable call waiting | None | Disable Call waiting |
| #160# | Update firmware | None | Update firmware |
| #510# | Blind Transfer | ATA Blind Transfer | |
| #511# | Attendant Transfer | ATA Attendant Transfer | |
| #512# | 3-way calling | ATA 3-way calling | |
| #514# | IP transfer to PSTN | ATA transfer IP call to PSTN side | |
| #130+[1~8]# | Set Codec | 1: G.711 u-Law, 2: G.711 a-Law, 3: G.723.1, 4: G.729a, 5: G.726 16K, 6: G.726 24K, 7: G.726 | You can set the codec you want to the first priority. |



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| | | | |
|--------------------------|----------------------------|--|---|
| | | 32K, 8: G.726 40K, | |
| #131+[00~15] # | Set Handset Gain | Handset Gain from 0~15 | You can set the Handset gain to proper value, default is 10 |
| #132+[00~12] # | Set Handset Volume | Handset Volume from 0~12 | You can set the Handset volume to proper value, default is 10 |
| #135xxx*xxx* xxx*xxx# | TFTP Server IP Address | Set Auto config TFTP Server IP Address | You can set the TFTP Server IP address |
| #136xxx*xxx* xxx*xxx# | FTP Server IP Address | Set Auto config FTP Server IP Address | You can set the FTP Server IP address |
| #137+[0~2]# | Auto config mode | 0: Disable, 1: TFTP mode, 2: FTP mode | You can set the Auto configuration mode, 0: Disable, 1: use TFTP Server, 2: user FTP Server |
| #145# | Forward function disable | Disable forward function | |
| #146+Number # | enable forward to FXS Port | Enable forward to FXS Port | |
| #147+Number # | enable forward to FXO Port | Enable forward to FXO Port | |
| #116# | Enable PPTP function | None | Enable PPTP function |
| #117# | Disable PPTP function | None | Disable PPTP function |
| #118# | Enable VLAN function | None | Enable VLAN function |
| #119# | Disable VLAN function | None | Disable VLAN function |

i Hint

1. If you will use IVR to Setting or Function, please be sure to use unlock keypad "#190#"

2. Please contact your Internet service provider to obtain the Internet access type, and select the proper network settings in ATA to establish the network connections.



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➤ Case study - Call Transfer

A. Blind Transfer

1. B call to A and they are in the process of conversation.
2. A carry the transfer function out (Press "**transfer**" button) to hold the conversation with B.
3. A press "**#510#**" and hear the dial tone, then input the number of C (Follow by the "**#**" key).
4. C will ring up and A will get the busy tone for prompting to hang up
5. C picks up the handset and conversation with B.

B. Attendant Transfer

1. B call to A and they are in the process of conversation.
2. A carry the transfer function out to hold the conversation with B.
3. A press "**#511#**" and hear the dial tone, then input the number of C (Follow by the "**#**" key).
4. C will ring up.
5. C picks up the handset and conversation with A.
6. A hang up and C conversation with B.

➤ Case study - 3-Way Conference

1. A and B are in the process of conversation.
2. A want to invite C to join their conversation.
3. A press "**Transfer**" or "**Hold**" button to hold the conversation with B at first, then press "**#512#**" and hear the dial tone, then input the number of C (plus the "**#**" key).
4. C will ring up and pick up the handset to conversation with A.
5. A press "**Transfer**" button again, and they will entry the 3-Way conference mode.



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➤ **Case study - Call Waiting**

1. A and B are in the process of conversation.
2. C call to A and A will hear the prompt sounds.
3. A press "**Hold**" button to hold the conversation with B, and switch to conversation with C.

➤ **Case study - Switch the Realm (Registration Proxy Server)**

ATA can register to three different SIP Proxies at the same time. It can receive any one of different SIP accounts incoming call, and it can switch to any one SIP accounts for making calls through input the switch code.

Realm switch code:

- 1***: Realm 1
- 2***: Realm 2
- 3***: Realm 3

For example: The default is realm 1, input the **2*** (Follow by the # key) from keypad and hang up the telephone set. It will switch to realm 2, and it can make the SIP calls via realm 2.

➤ **Case study - Auto Update firmware by manual (Keypad)**

If pick up the handset of ATA, it will hear the "DoDoDo" prompt. If want to carry out the upgrade action, please input "**#190#**" to unlock the device at first. Then input "**#160#**" to upgrade the new firmware.



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