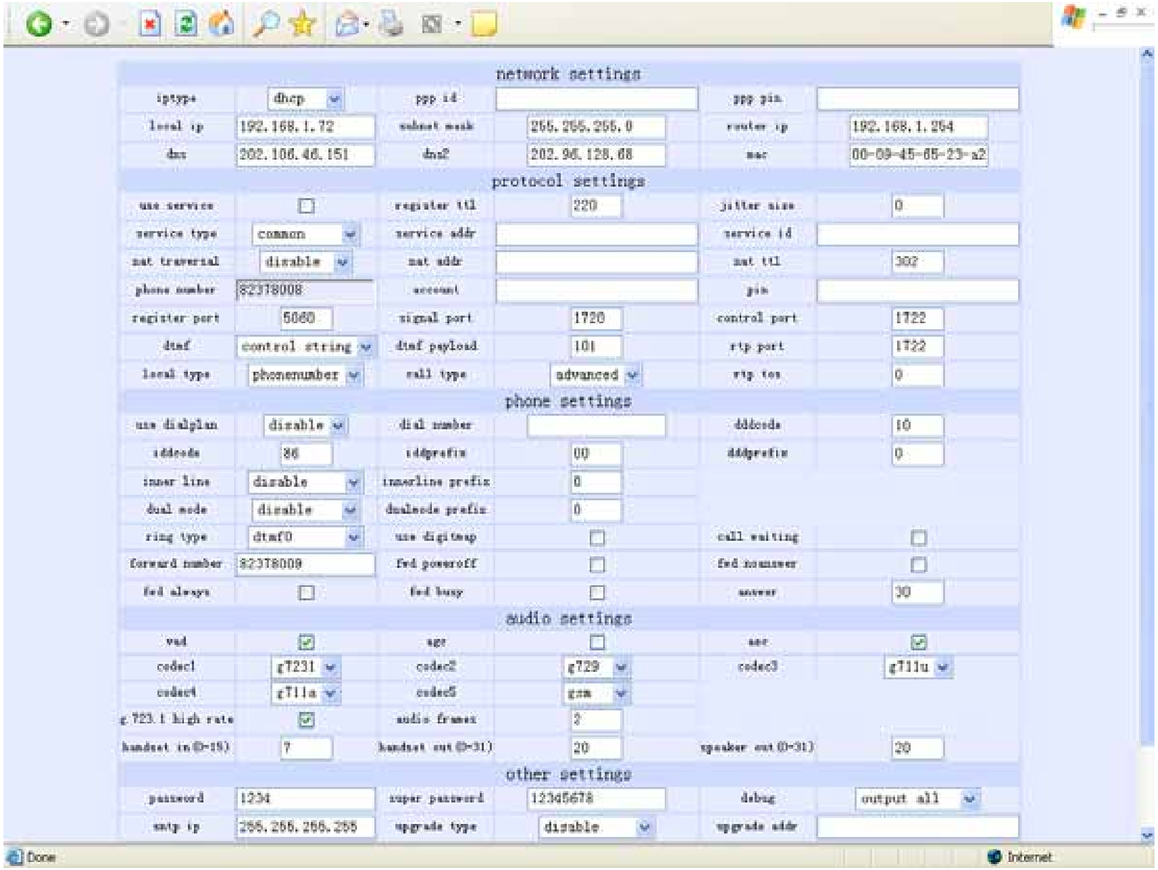
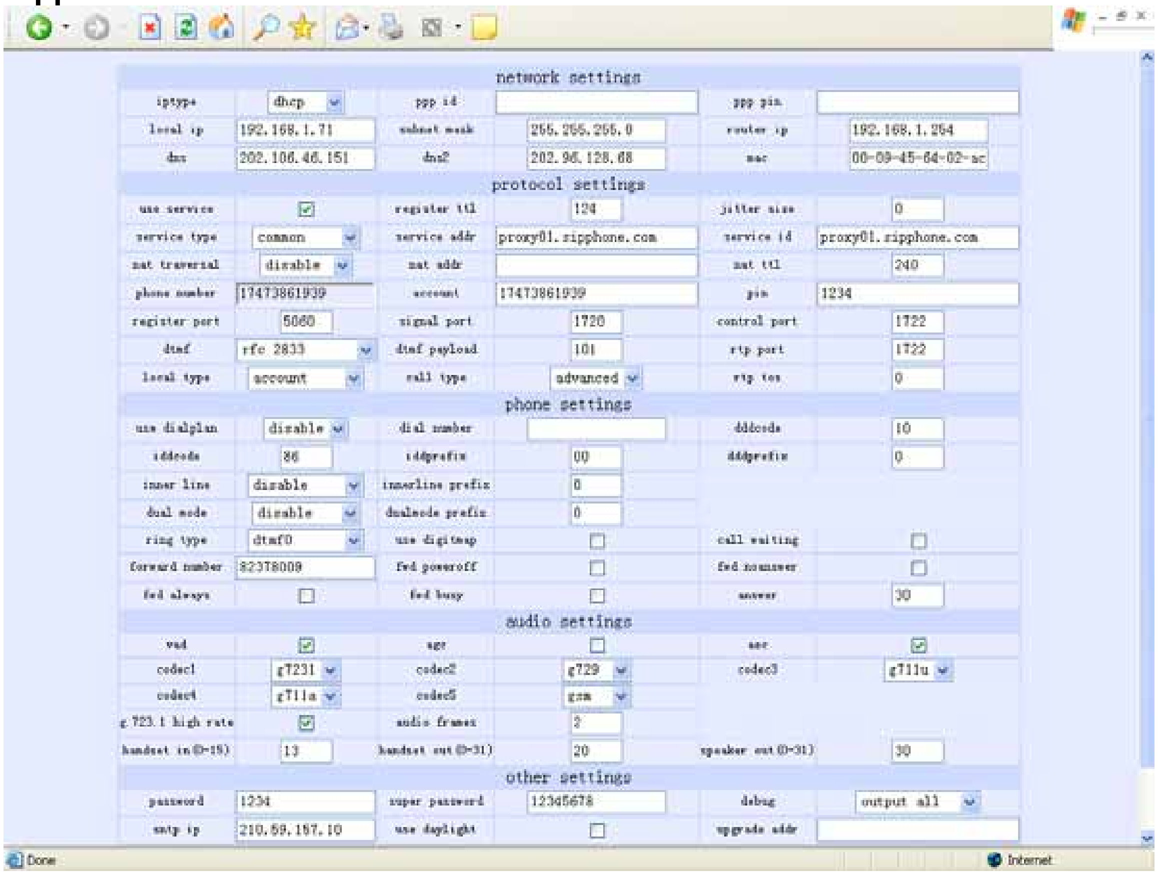
### Direct IP-to-IP Calls



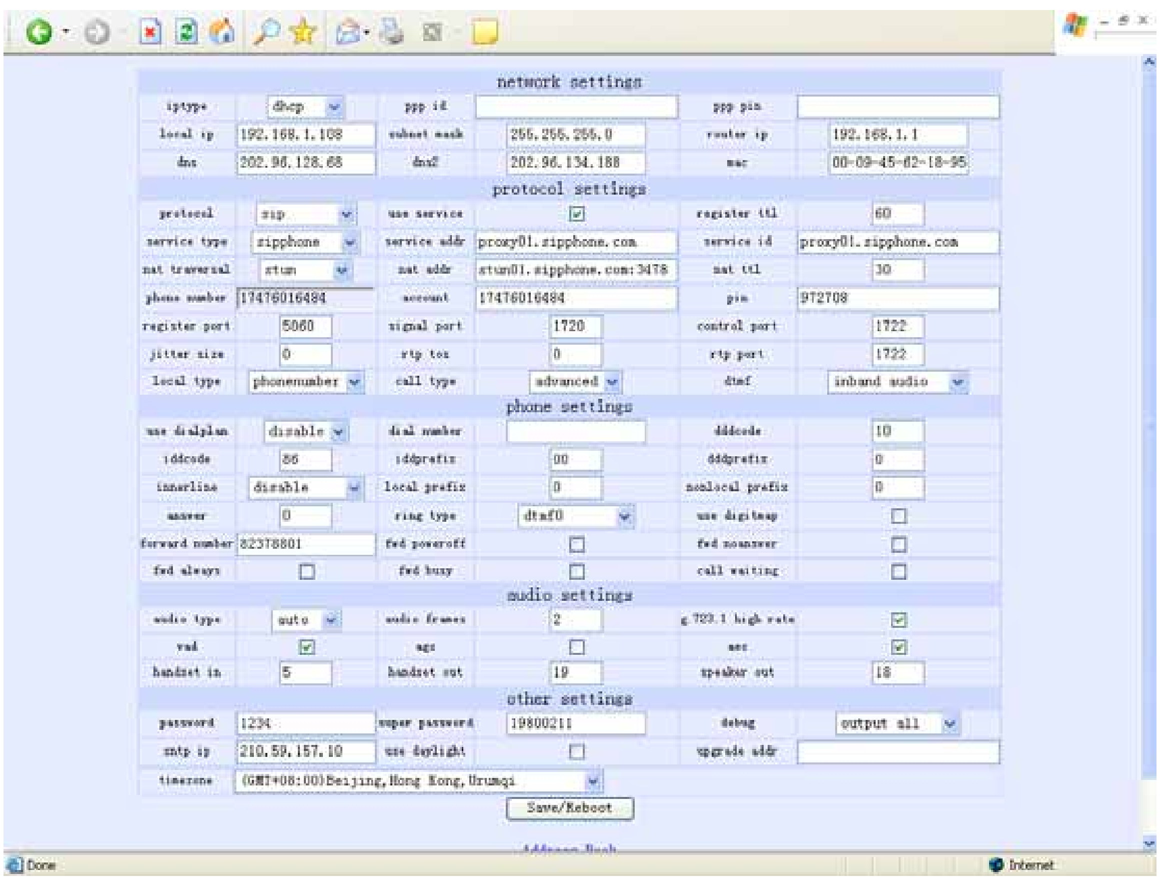

After successful setting, the phone can be used to call other phones with same settings: Pick up the handset or press Speaker key, and then input phone IP, such as 192*168*1*100, then press # or the Call button, if any.

## Typical Configuration for Service Providers Using SIP Protocol

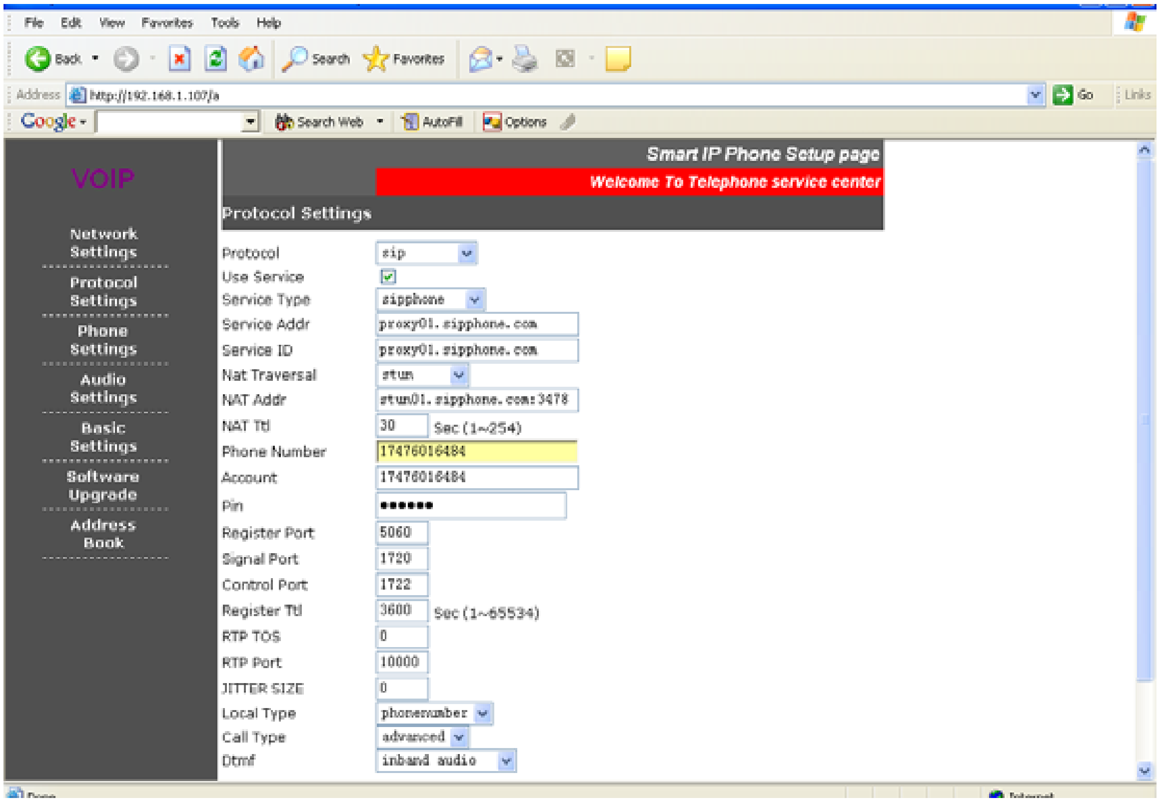
## Sipphone VoIP Service Provider




or



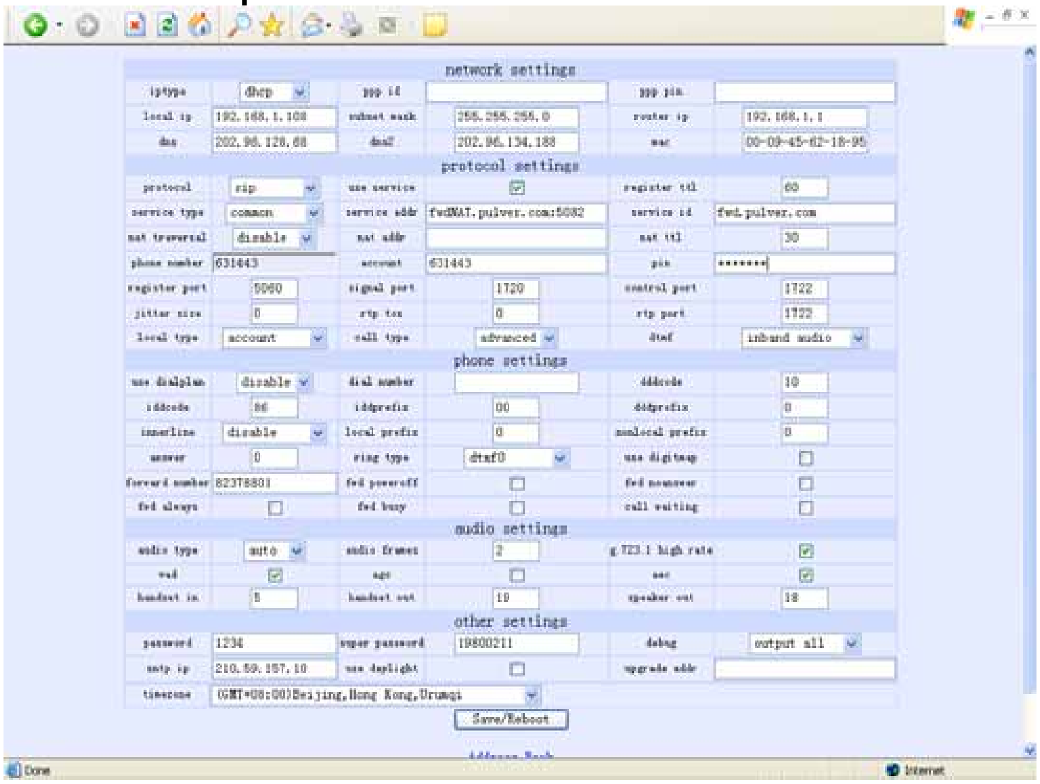

or



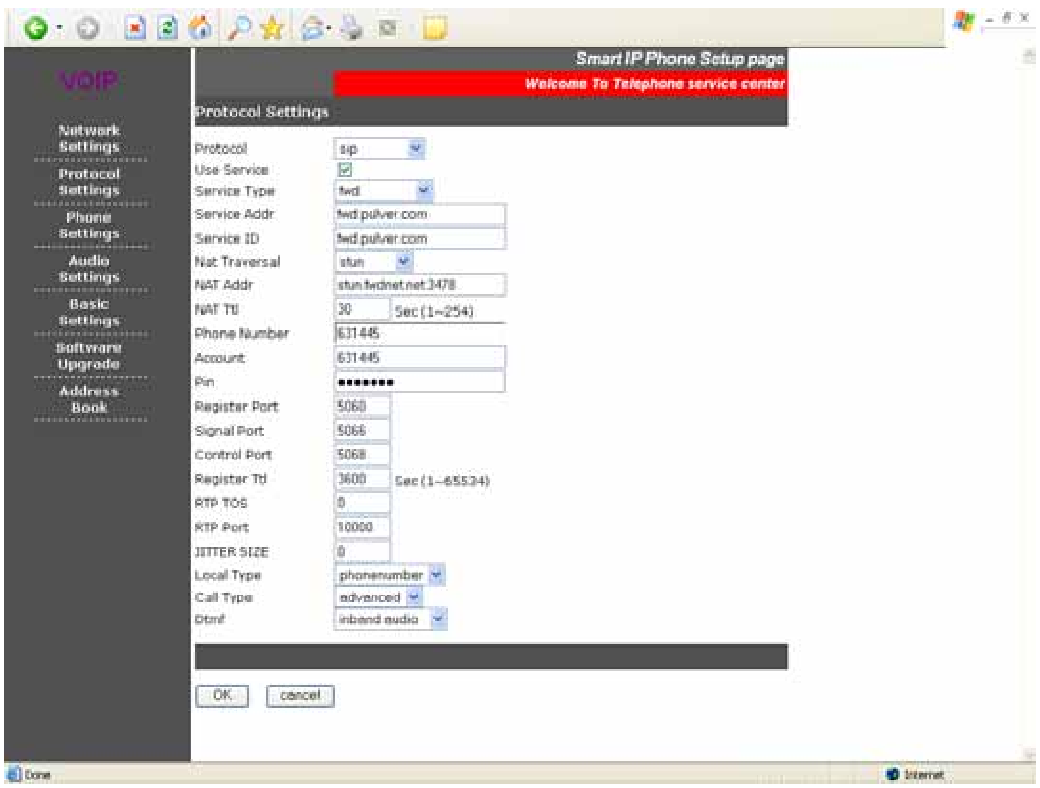

After successful setting, the phone can be used to call other phones at the same Proxy Server as follows:

Pick up the handset or press Speaker key, and then input phone number, such as 17473861936 or 17474745000, then press # or Call key to end dialing.

## FreeWorldDialup VoIP Service Provider

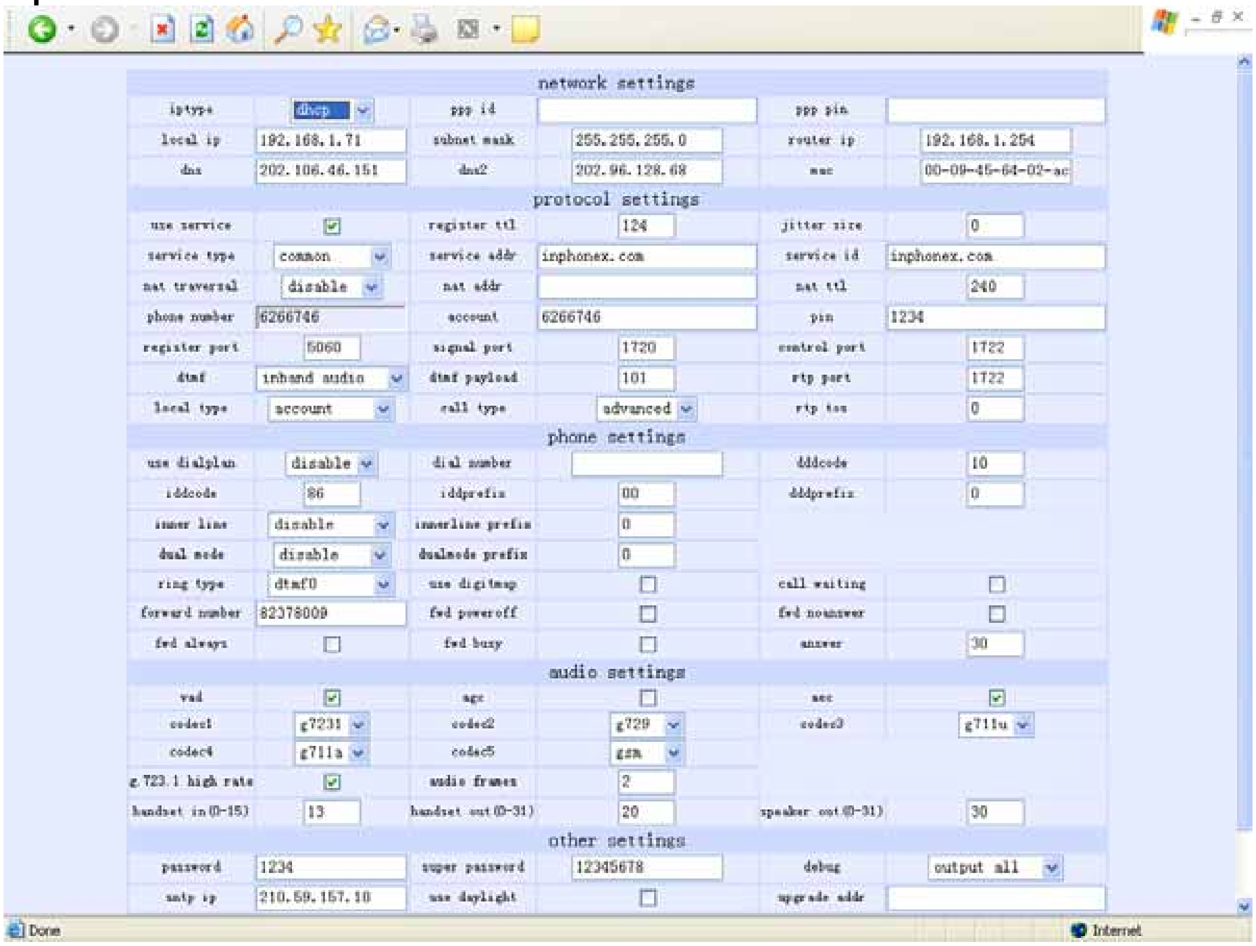



or




After successful setting, the phone can be used to call other phones at the same Proxy Server as follows:
Pick up the handset or press Speaker key, and then input phone number, such as 10001, 10000, then press # or Call key to end dialing.

## Inphonex VoIP Service Provider

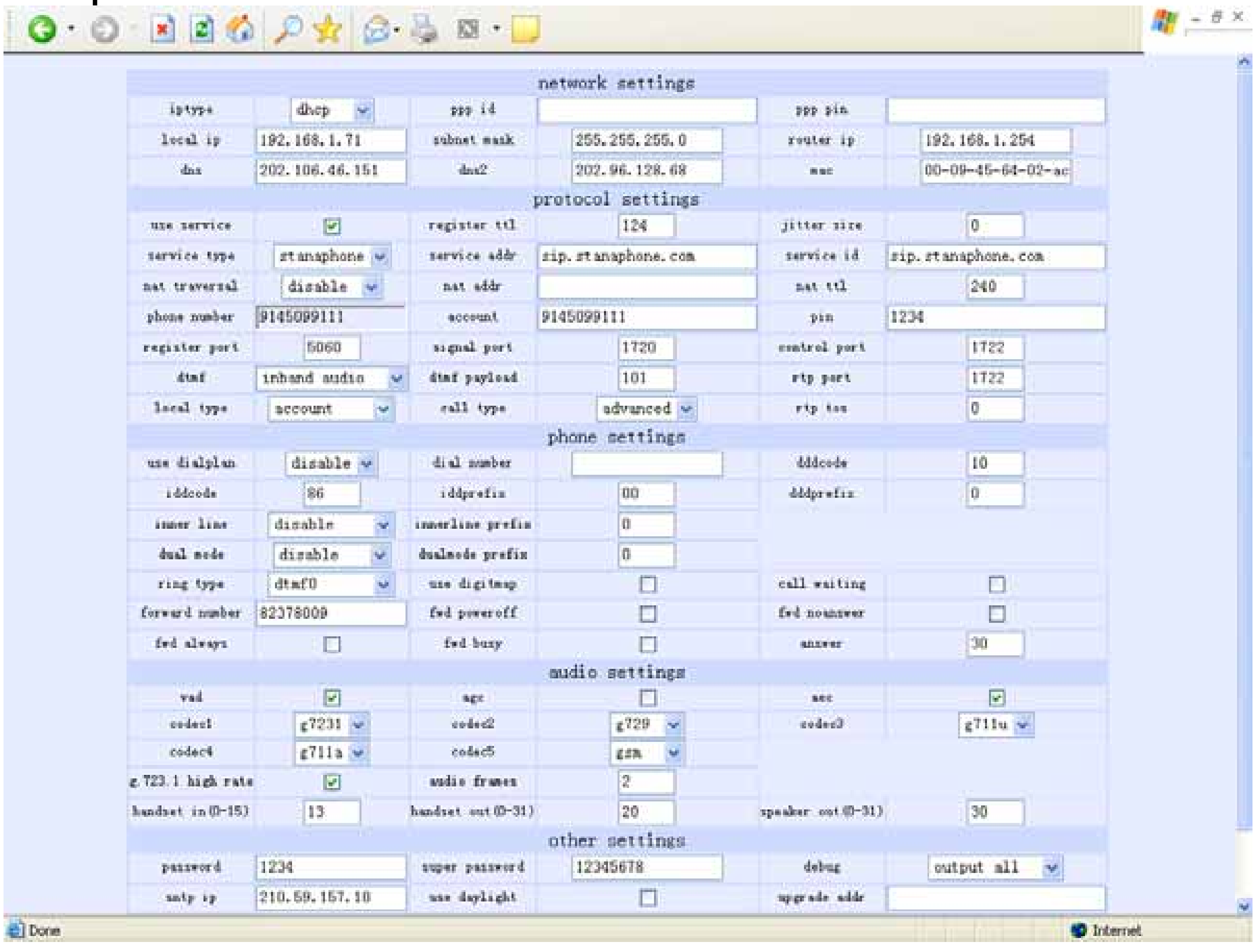


| | | | | | |
|---|---|---|---|---|---|
| **network settings** | | | | | |
| iptype | dhcp | ppp id | | ppp pin | |
| local ip | 192.168.1.71 | subnet mask | 255.255.255.0 | router ip | 192.168.1.254 |
| dns | 202.106.46.151 | dns2 | 202.96.128.68 | mac | 00-09-45-64-02-ac |
| **protocol settings** | | | | | |
| use service | ☑ | register ttl | 124 | jitter size | 0 |
| service type | common | service addr | inphonex.com | service id | inphonex.com |
| nat traversal | disable | nat addr | | nat ttl | 240 |
| phone number | 6266746 | account | 6266746 | pin | 1234 |
| register port | 5060 | signal port | 1720 | control port | 1722 |
| dtmf | inband audio | dtmf payload | 101 | rtp port | 1722 |
| local type | account | call type | advanced | rtp tos | 0 |
| **phone settings** | | | | | |
| use dialplan | disable | dial number | | dddcode | 10 |
| iddcode | 86 | iddprefix | 00 | dddprefix | 0 |
| inner line | disable | innerline prefix | 0 | | |
| dual mode | disable | dualmode prefix | 0 | | |
| ring type | dtmf0 | use digitmap | ☐ | call waiting | ☐ |
| forward number | 82378009 | fwd poweroff | ☐ | fwd noanswer | ☐ |
| fwd always | ☐ | fwd busy | ☐ | answer | 30 |
| **audio settings** | | | | | |
| vad | ☑ | agc | ☐ | aec | ☑ |
| codec1 | g7231 | codec2 | g729 | codec3 | g711u |
| codec4 | g711a | codec5 | gsm | | |
| g.723.1 high rate | ☑ | audio frames | 2 | | |
| handset in(0-15) | 13 | handset out(0-31) | 20 | speaker out(0-31) | 30 |
| **other settings** | | | | | |
| password | 1234 | super password | 12345678 | debug | output all |
| sntp ip | 210.59.157.10 | use daylight | ☐ | upgrade addr | |

After successful setting, the phone can be used to call other phones at the same Proxy Server as follows:

Pick up the handset or press Speaker key, and then input phone number, such as 537775, 600, then press # or Call key to end dialing.

## Stanaphone VoIP Service Provider



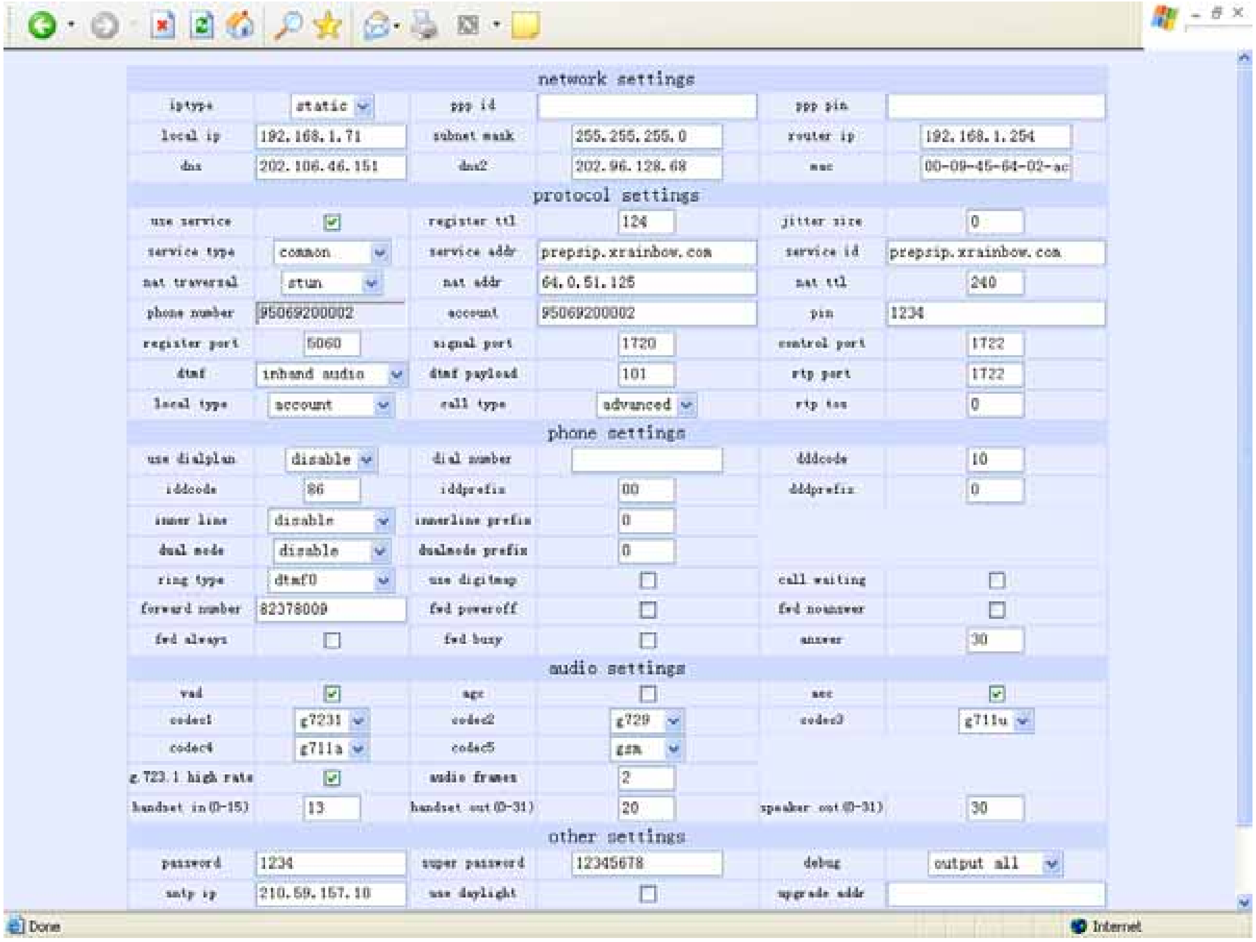
| | | | | | |
|---|---|---|---|---|---|
| network settings | | | | | |
| iptype | dhcp | ppp id | | ppp pin | |
| local ip | 192.168.1.71 | subnet mask | 255.255.255.0 | router ip | 192.168.1.254 |
| dns | 202.106.46.151 | dns2 | 202.96.128.68 | mac | 00-09-45-64-02-ac |
| protocol settings | | | | | |
| use service | ☑ | register ttl | 124 | jitter size | 0 |
| service type | stanaphone | service addr | sip.stanaphone.com | service id | sip.stanaphone.com |
| nat traversal | disable | nat addr | | nat ttl | 240 |
| phone number | 9145099111 | account | 9145099111 | pin | 1234 |
| register port | 5060 | signal port | 1720 | control port | 1722 |
| dtmf | inband audio | dtmf payload | 101 | rtp port | 1722 |
| local type | account | call type | advanced | rtp tos | 0 |
| phone settings | | | | | |
| use dialplan | disable | dial number | | dddcode | 10 |
| iddcode | 86 | iddprefix | 00 | dddprefix | 0 |
| inner line | disable | innerline prefix | 0 | | |
| dual mode | disable | dualmode prefix | 0 | | |
| ring type | dtmf0 | use digitmap | ☐ | call waiting | ☐ |
| forward number | 82378009 | fwd poweroff | ☐ | fwd noanswer | ☐ |
| fwd always | ☐ | fwd busy | ☐ | answer | 30 |
| audio settings | | | | | |
| vad | ☑ | agc | ☐ | aec | ☑ |
| codec1 | g7231 | codec2 | g729 | codec3 | g711u |
| codec4 | g711a | codec5 | gsm | | |
| g.723.1 high rate | ☑ | audio frames | 2 | | |
| handset in(0-15) | 13 | handset out(0-31) | 20 | speaker out(0-31) | 30 |
| other settings | | | | | |
| password | 1234 | super password | 12345678 | debug | output all |
| sntp ip | 210.59.157.10 | use daylight | ☐ | upgrade addr | |



After successful setting, the phone can be used to call other phones at the same Proxy Server as follows:

Pick up the handset or press Speaker key, and then input phone number, then press # or Call key to end dialing.

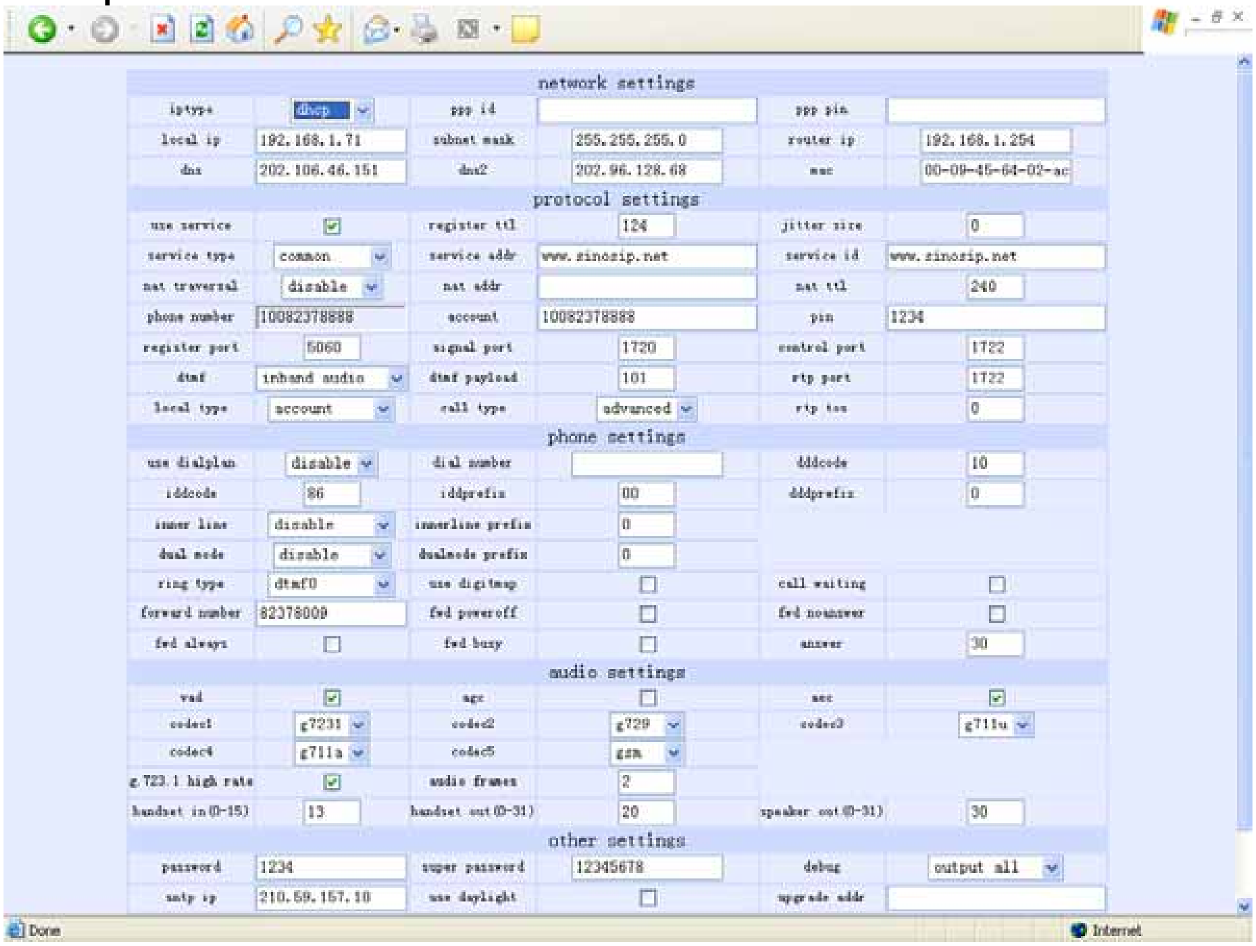
**Seawolf VoIP Service Provider**




After successful setting, the phone can be used to call PSTN phone.

Pick up the handset or press Speaker key, and then input phone number, such as 01082378008, then press # or Call key to end dialing.

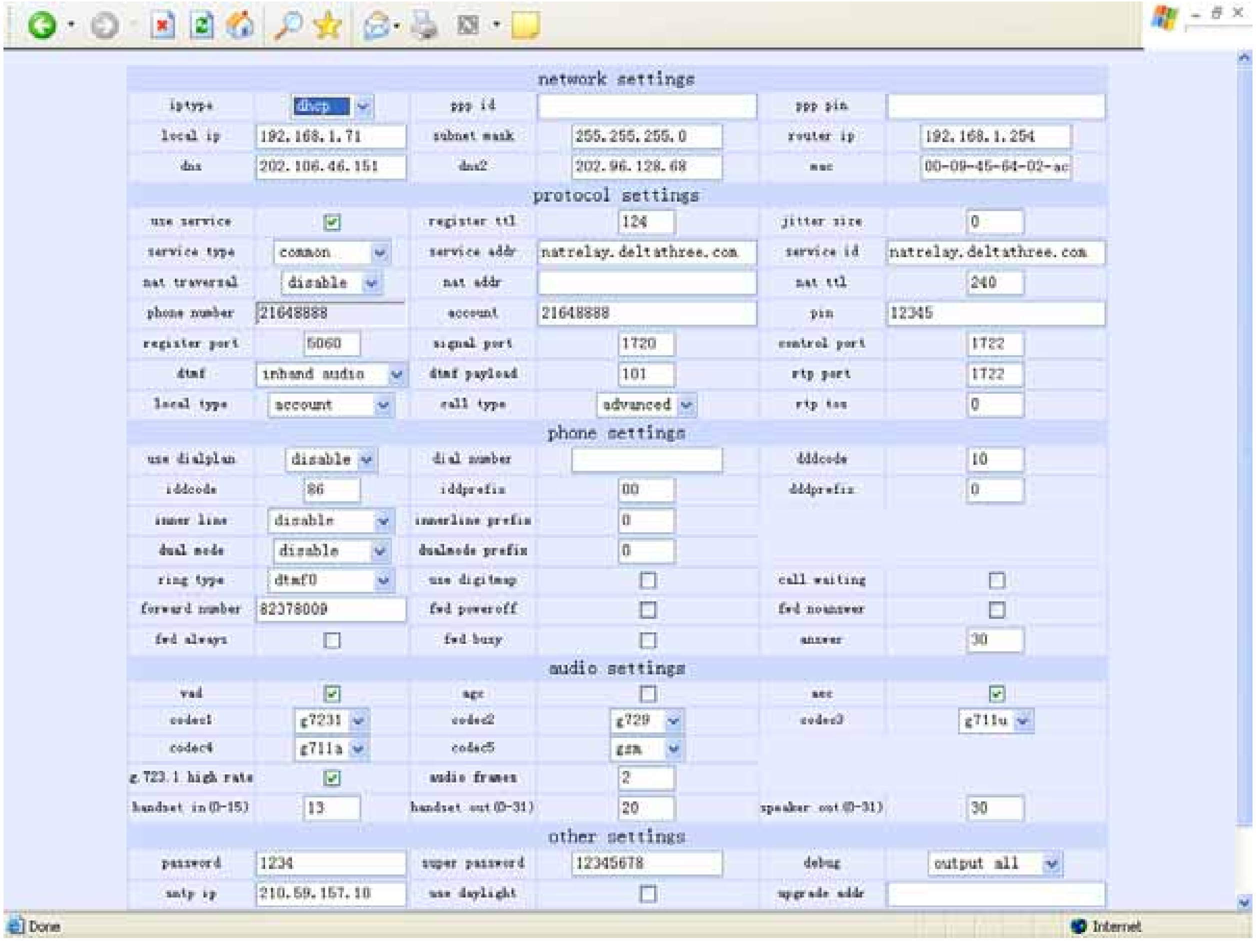
## SinoSip VoIP Service Provider




After successful setting, the phone can be used to call other phones at the same Proxy Server as follows:

Pick up the handset or press Speaker key, and then input phone number, then press # or Call key to end dialing.

## DeltaThree VoIP Service Provider

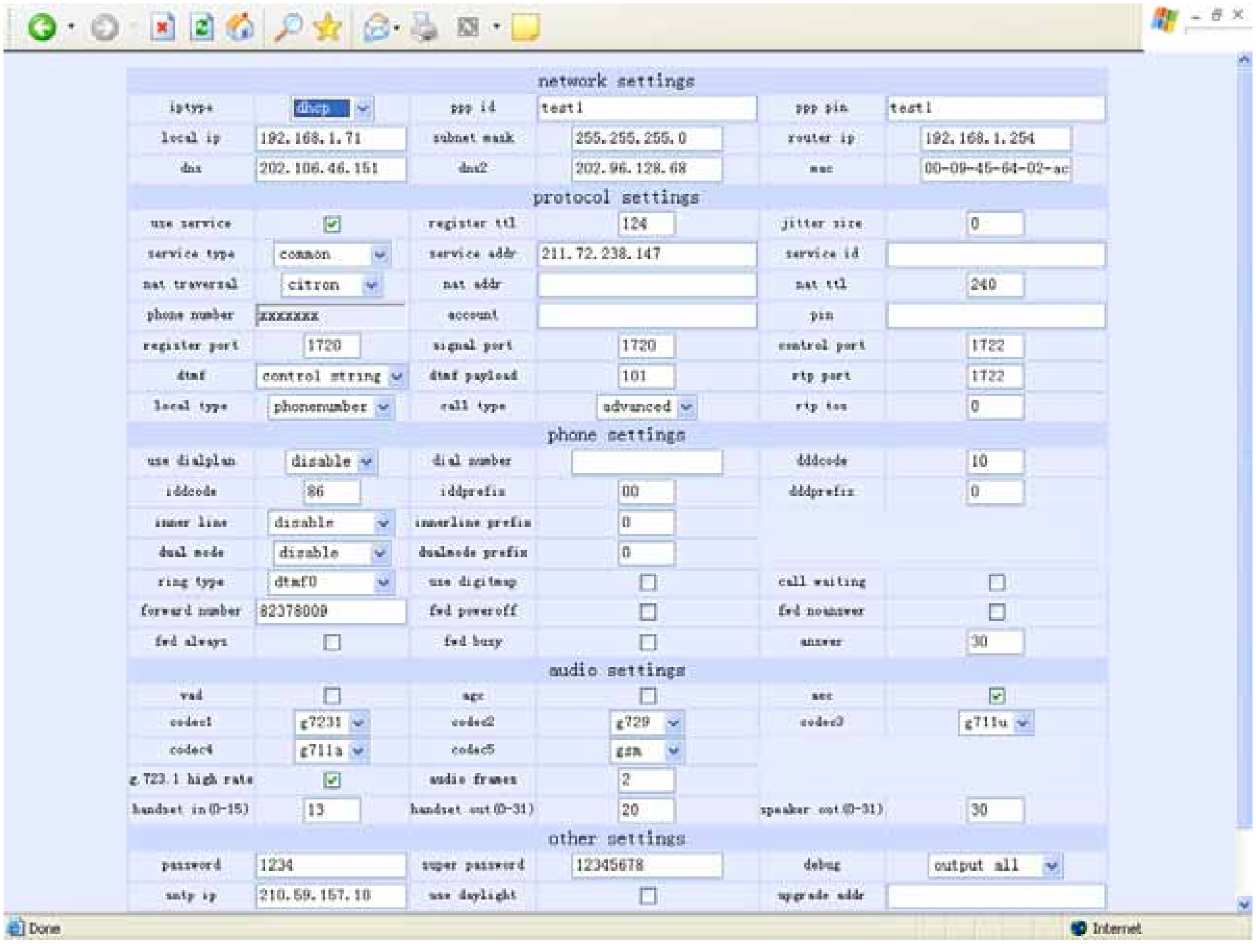



After successful setting, the phone can be used to call other phones at the same Proxy Server as follows:

Pick up the handset or press Speaker key, and then input phone number, such as 10001 then press # or Call key to end dialing.

## Typical Configuration for Service Providers Using H.323 Protocol

**G-Card**



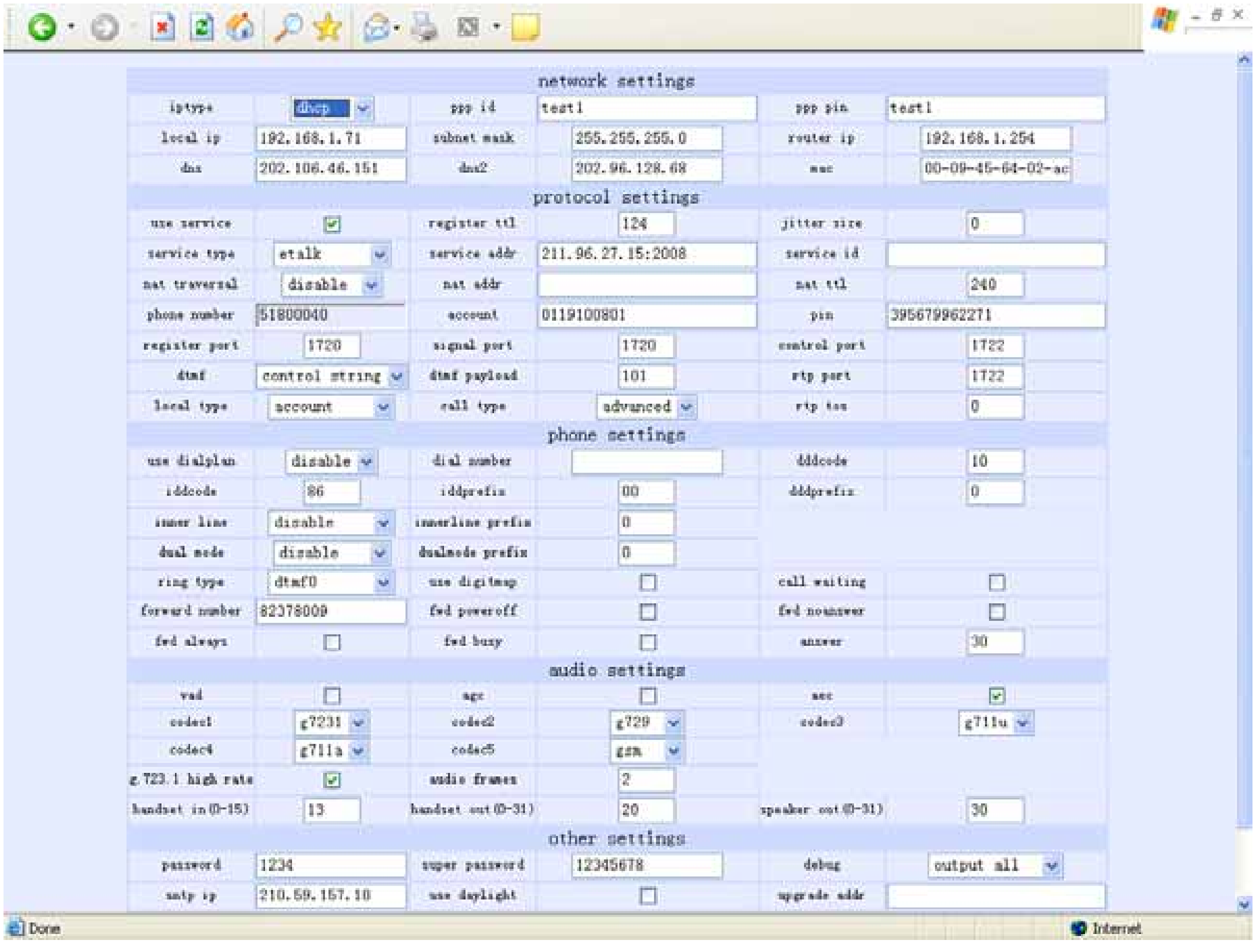
| | | | | | |
|---|---|---|---|---|---|
| | | network settings | | | |
| iptype | dhcp | ppp id | test1 | ppp pin | test1 |
| local ip | 192.168.1.71 | subnet mask | 255.255.255.0 | router ip | 192.168.1.254 |
| dns | 202.106.46.151 | dns2 | 202.96.128.68 | mac | 00-09-45-64-02-ac |
| | | protocol settings | | | |
| use service | ☑ | register ttl | 124 | jitter size | 0 |
| service type | common | service addr | 211.72.238.147 | service id | |
| nat traversal | citron | nat addr | | nat ttl | 240 |
| phone number | xxxxxxx | account | | pin | |
| register port | 1720 | signal port | 1720 | control port | 1722 |
| dtmf | control string | dtmf payload | 101 | rtp port | 1722 |
| local type | phonenumber | call type | advanced | rtp tos | 0 |
| | | phone settings | | | |
| use dialplan | disable | dial number | | dddcode | 10 |
| iddcode | 86 | iddprefix | 00 | dddprefix | 0 |
| inner line | disable | innerline prefix | 0 | | |
| dual mode | disable | dualmode prefix | 0 | | |
| ring type | dtmf0 | use digitmap | ☐ | call waiting | ☐ |
| forward number | 82378009 | fwd poweroff | ☐ | fwd noanswer | ☐ |
| fwd always | ☐ | fwd busy | ☐ | answer | 30 |
| | | audio settings | | | |
| vad | ☐ | agc | ☐ | aec | ☑ |
| codec1 | g7231 | codec2 | g729 | codec3 | g711u |
| codec4 | g711a | codec5 | gsm | | |
| g.723.1 high rate | ☑ | audio frames | 2 | | |
| handset in(0-15) | 13 | handset out(0-31) | 20 | speaker out(0-31) | 30 |
| | | other settings | | | |
| password | 1234 | super password | 12345678 | debug | output all |
| sntp ip | 210.59.157.10 | use daylight | ☐ | upgrade addr | |



After successful setting, the phone can be used to call other phones at the same GK as follows:

Pick up the handset or press **Speaker** key, and then input phone number, such as 7313002,7313006, 1001, 2345, then press # or **Call** key to end dialing.

**iTalk**



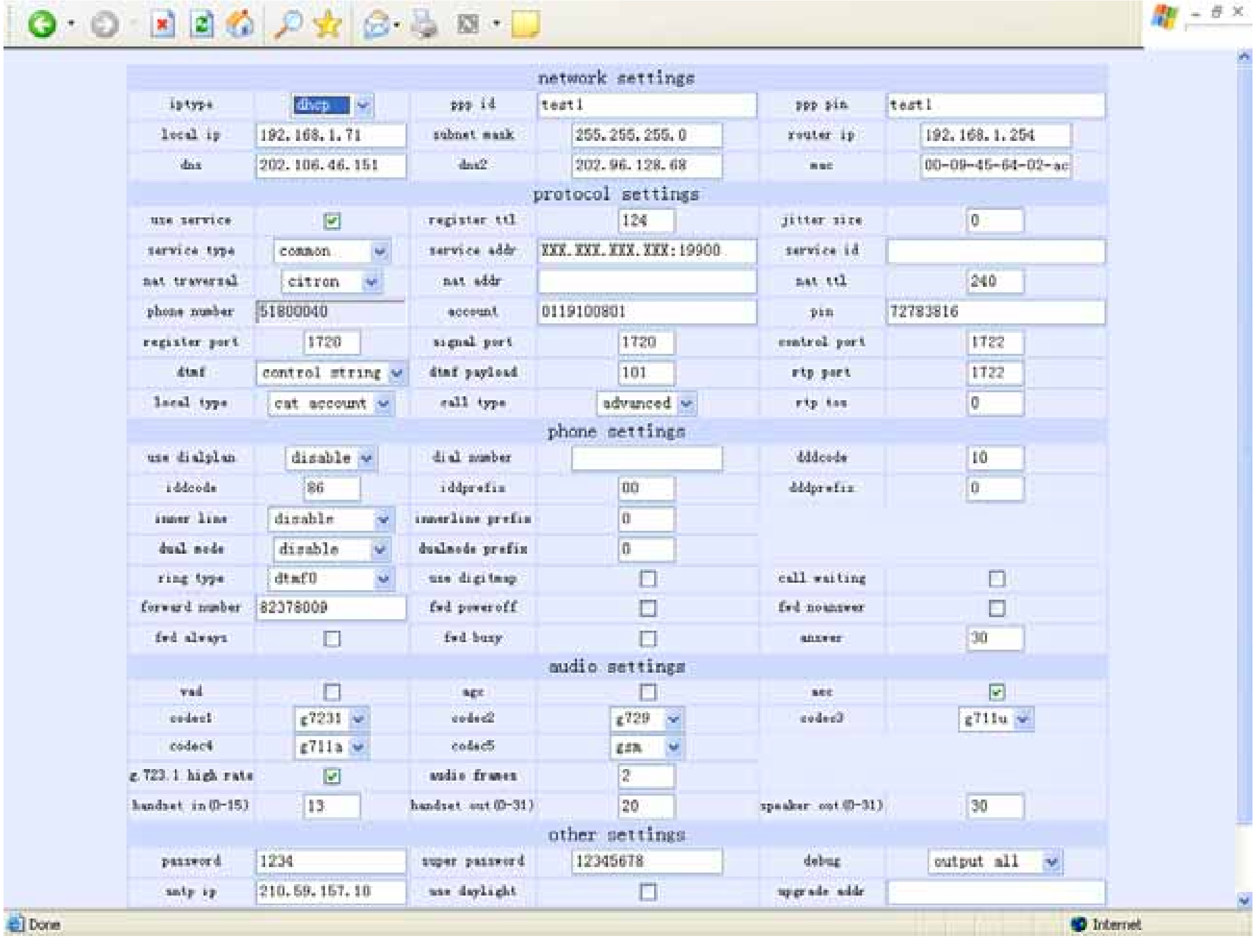

After successful setting, those phones with ditmap can be dialed like ordinary phones as follows:

1) Place domestic calls: pick up the handset or press **Speaker** key, and then input "city code+phone number", such as a munber from Shanghai 02158547153; after a few seconds, the number will be called out.

2) Place international calls: pick up the handset or press **Speaker** key, and then input "country code+city code+phone number", such as a munber from U.S.A 0014089821818, or a number from Taiwan 0088627997222; after a few seconds, the number will be called out.

AS for those phones without digitmap, after above operation, please then press # or **Call** key to end the dialing

## IPN




After successful setting, the phone can be used to call other phones using IPN as follows:

Pick up the handset or press **Speaker** key, and then input phone number, such as **19905010005**, then press # or **Call** key to end dialing.

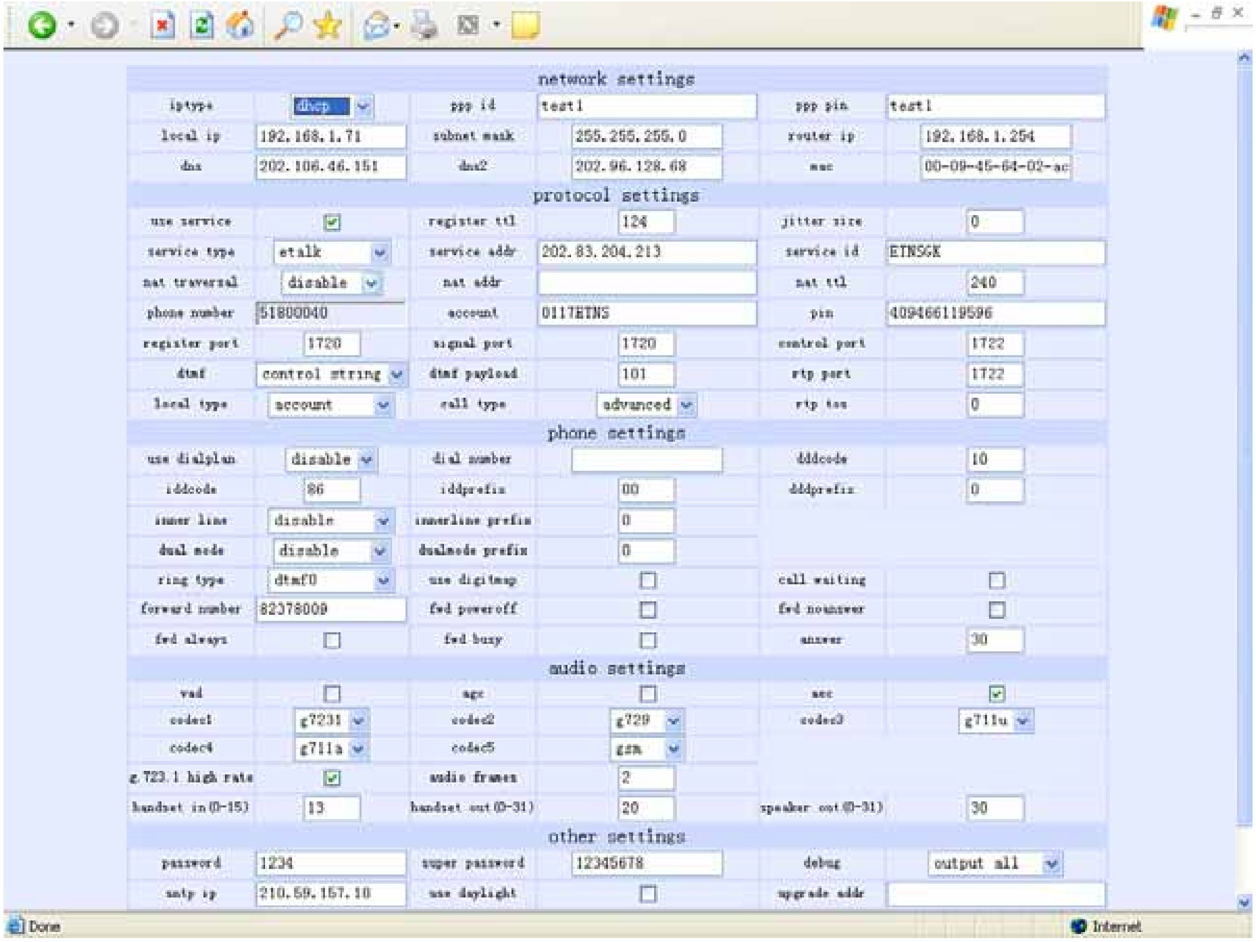
Those phones with ditmap can be dialed like ordinary phones as follows:

1) Place domestic calls: pick up the handset or press **Speaker** key, and then input "city code+phone number", such as a number from Shanghai 02158547153; after a few seconds, the number will be called out.

2) Place international calls: pick up the handset or press **Speaker** key, and then input "country code+city code+phone number", such as a number from U.S.A 0014089821818, or a number from Taiwan 0088627997222; after a few seconds, the number will be called out.

AS for those phones without digitmap, after above operation, please then press # or **Call** key to end the dialing

**eTalk**



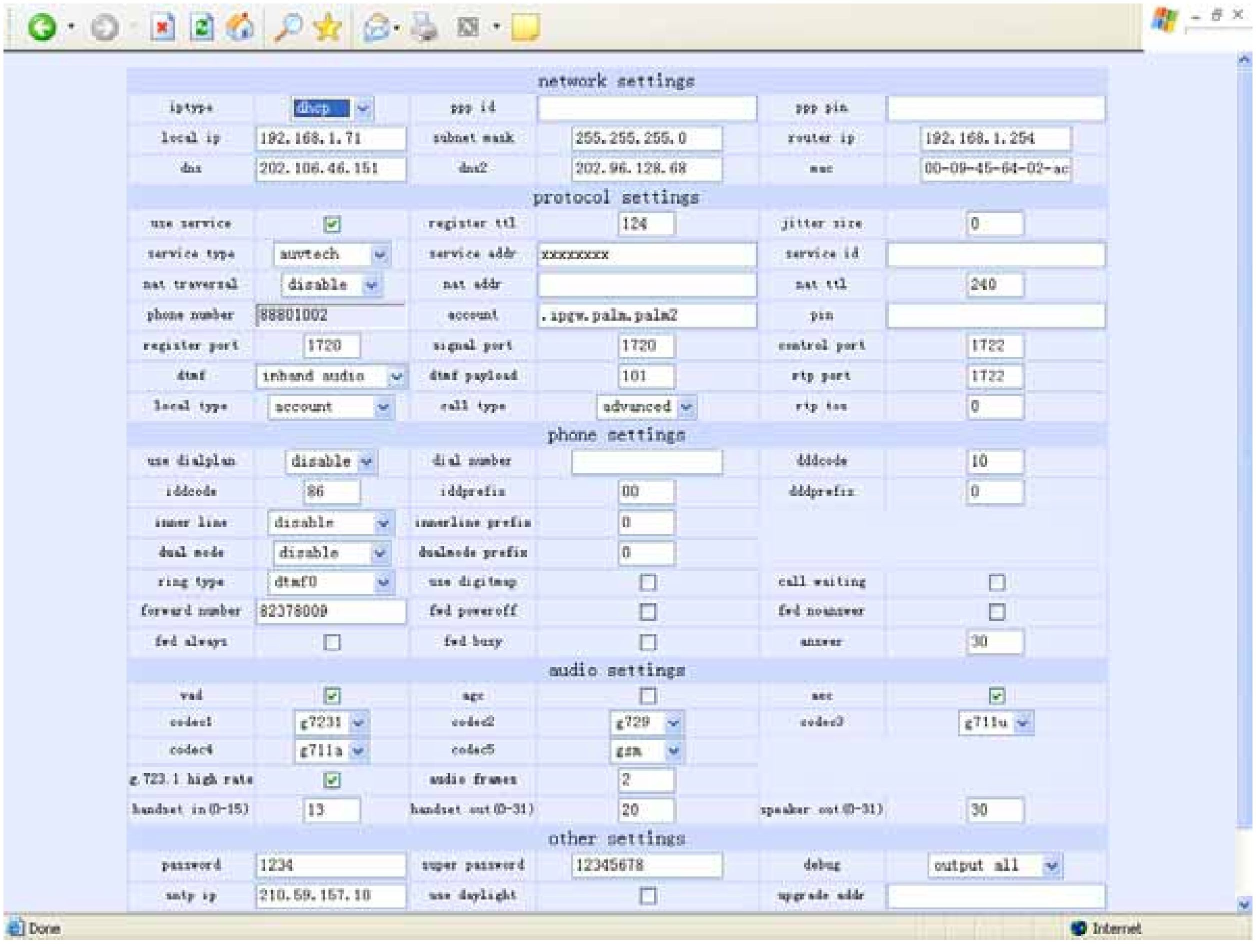

After successful setting, those phones with ditmap can be dialed like ordinary phones as follows:

1) Place domestic calls: pick up the handset or press **Speaker** key, and then input "city code+phone number", such as a munber from Shanghai 02158547153; after a few seconds, the number will be called out.

2) Place international calls: pick up the handset or press **Speaker** key, and then input "country code+city code+phone number", such as a munber from U.S.A 0014089821818, or a number from Taiwan 0088627997222; after a few seconds, the number will be called out.

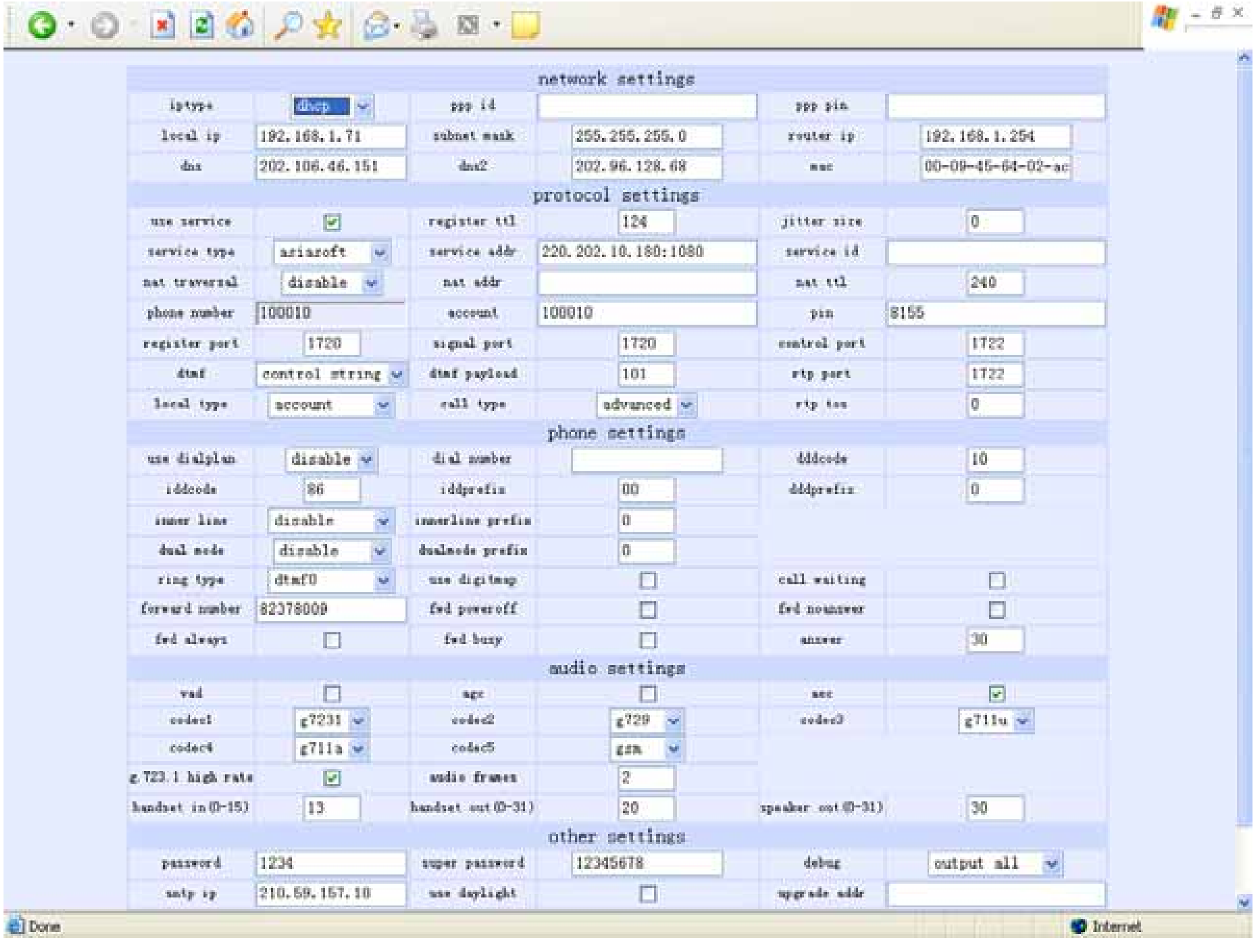
AS for those phones without digitmap, after above operation, please then press # or **Call** key to end the dialing

## Auvtech



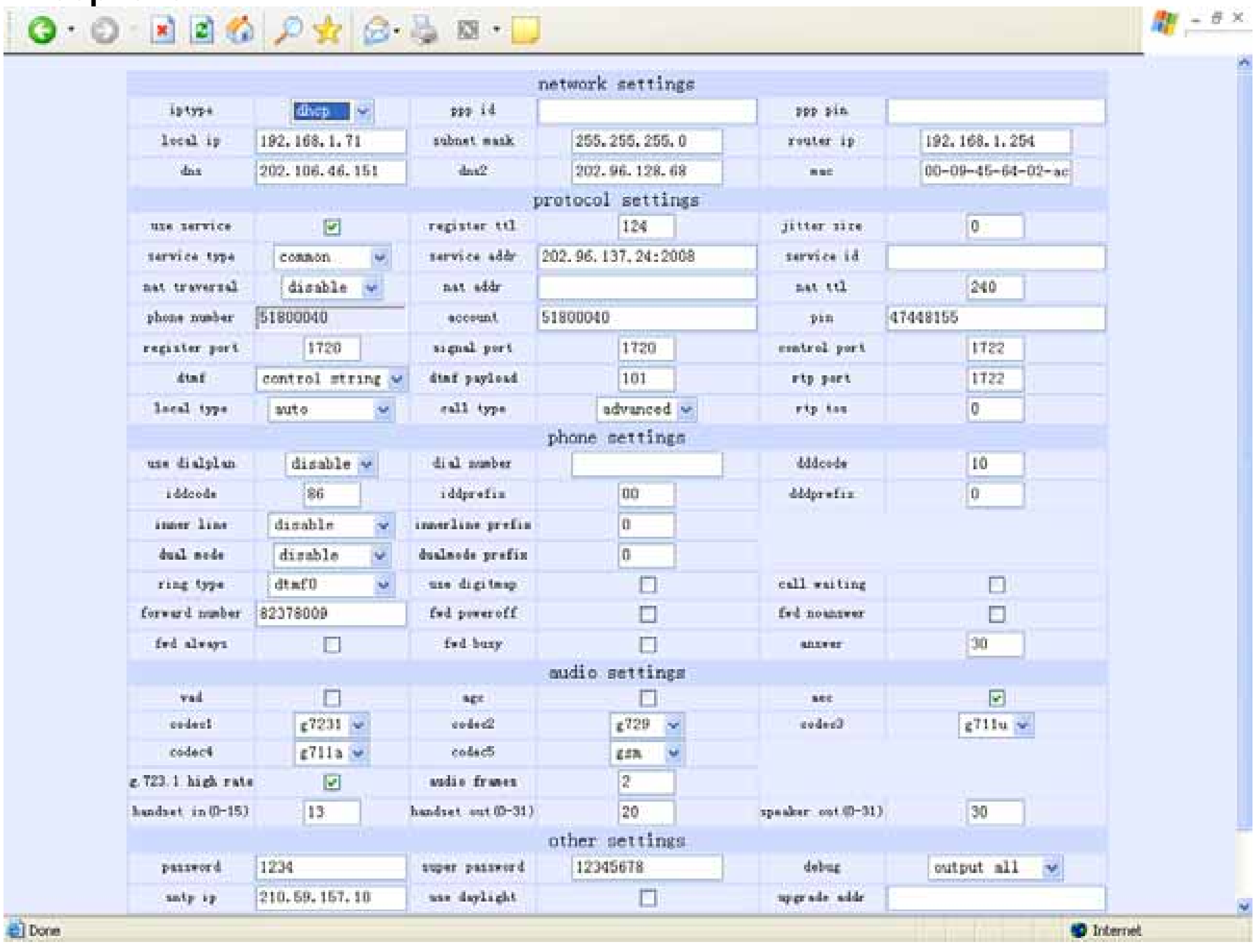

After successful setting, those phones with digitmap can be dialed as follows:
1) Call other device under the same system: pick up the handset or press **Speaker** key, and then input number of the other party, such as 88801001; after a few seconds, the number will be called out.
2) Place outerline calls:
a) Call PSTN phones: pick up the handset or press **Speaker** key, and then input "country code+city code+phone number", such as 14089821818; after a few seconds, the number will be called out.
b) Call numbers in other area: pick up the handset or press **Speaker** key, and then input "country code+city code+phone number" ; such as a munber from U.S.A 0014089821818 or a number from Taiwan 0088627997222; if the number is in China, please input "city code+phone number", such as a number in Shanghai: 02158547153; after a few seconds, the number will be called out.
AS for those phones without digitmap, after above operation, please then press # or **Call** key to end the dialing

**Asiasoft**




After logging on  the phone can be used to call PSTN phones

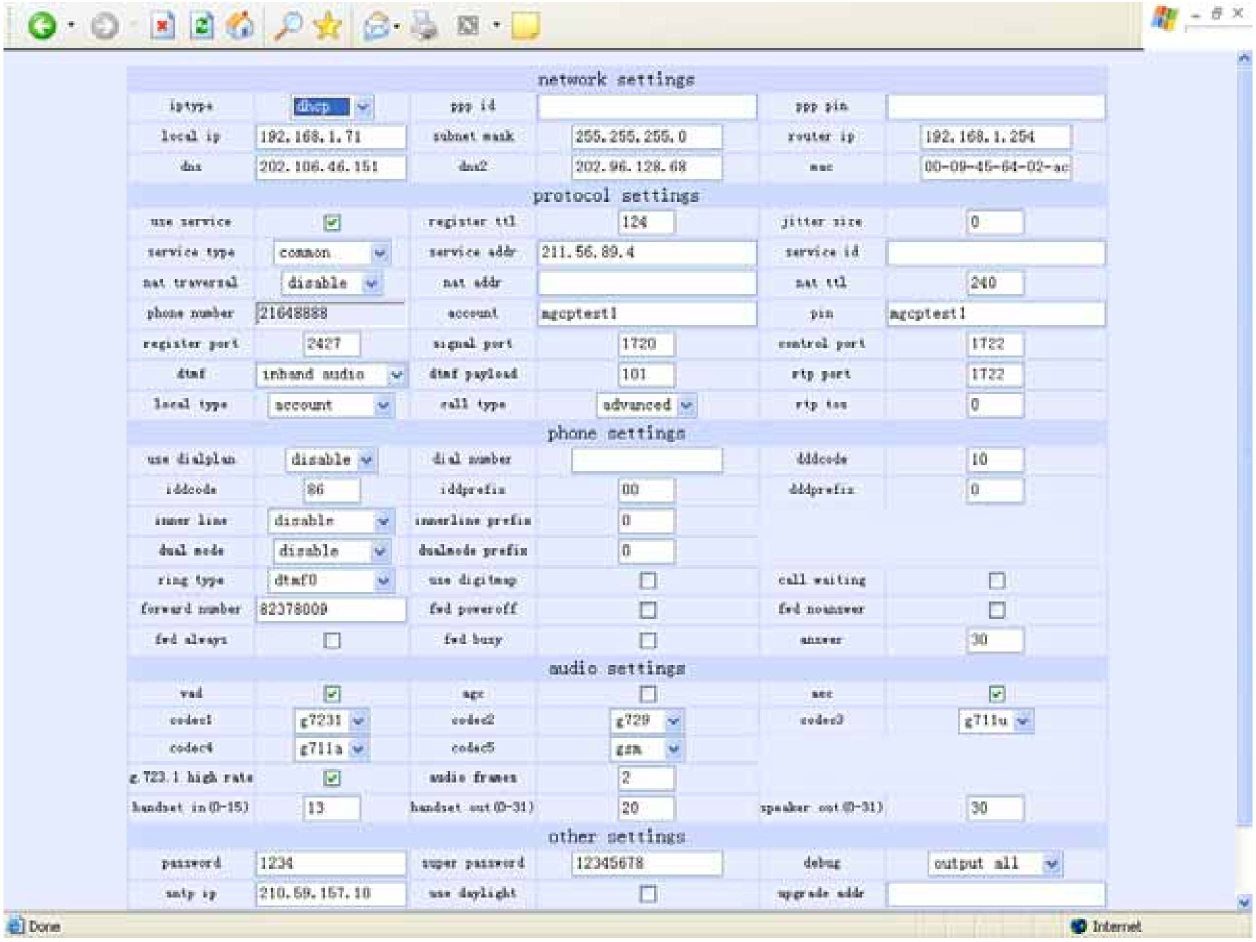
**Ewoophone**




After successful setting, the phone can be used to call other phones using Ewoophone cards as follows:

Pick up the handset or press **Speaker** key, and then input phone number, such as **51825840**, then press # or **Call** key to end dialing

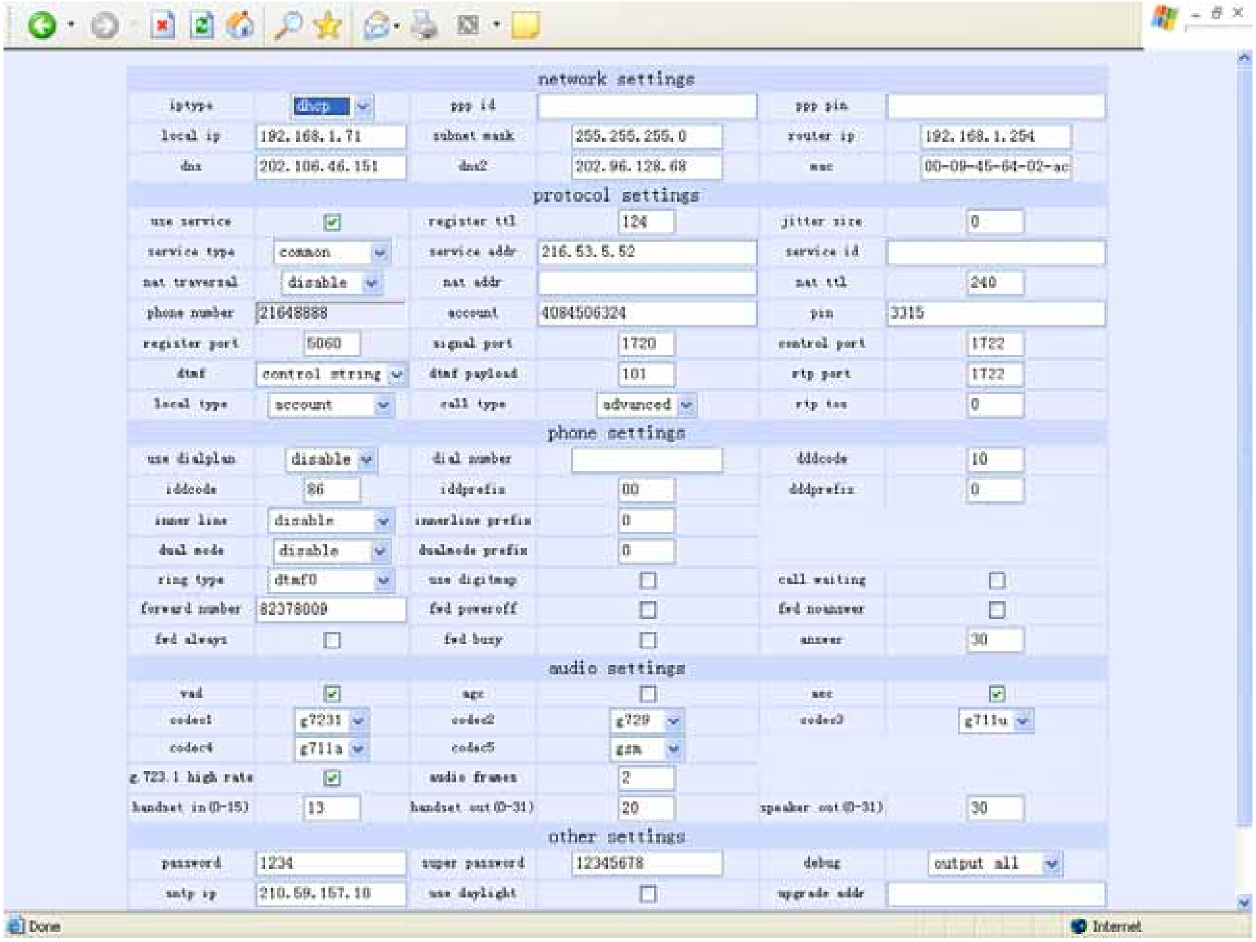
## Typical Configuration for Service Providers Using MGCP Protocol




After successful setting, the phone can be used to call other phones at the same Call Agent as follows:
Pick up the handset or press Speaker key, and then input phone number, then press # or **Call** key to end dialing

## Typical Configuration for Service Providers Using Other Protocol

**Net2Phone**



| | | | | | |
|---|---|---|---|---|---|
| **network settings** | | | | | |
| iptype | dhcp | ppp id | | ppp pin | |
| local ip | 192.168.1.71 | subnet mask | 255.255.255.0 | router ip | 192.168.1.254 |
| dns | 202.106.46.151 | dns2 | 202.96.128.68 | mac | 00-09-45-64-02-ac |
| **protocol settings** | | | | | |
| use service | ☑ | register ttl | 124 | jitter size | 0 |
| service type | common | service addr | 216.53.5.52 | service id | |
| nat traversal | disable | nat addr | | nat ttl | 240 |
| phone number | 21648888 | account | 4084506324 | pin | 3315 |
| register port | 5060 | signal port | 1720 | control port | 1722 |
| dtmf | control string | dtmf payload | 101 | rtp port | 1722 |
| local type | account | call type | advanced | rtp tos | 0 |
| **phone settings** | | | | | |
| use dialplan | disable | dial number | | dddcode | 10 |
| iddcode | 86 | iddprefix | 00 | dddprefix | 0 |
| inner line | disable | innerline prefix | 0 | | |
| dual mode | disable | dualmode prefix | 0 | | |
| ring type | dtmf0 | use digitmap | ☐ | call waiting | ☐ |
| forward number | 82378009 | fwd poweroff | ☐ | fwd noanswer | ☐ |
| fwd always | ☐ | fwd busy | ☐ | answer | 30 |
| **audio settings** | | | | | |
| vad | ☑ | agc | ☐ | aec | ☑ |
| codec1 | g7231 | codec2 | g729 | codec3 | g711u |
| codec4 | g711a | codec5 | gsm | | |
| g.723.1 high rate | ☑ | audio frames | 2 | | |
| handset in(0-15) | 13 | handset out(0-31) | 20 | speaker out(0-31) | 30 |
| **other settings** | | | | | |
| password | 1234 | super password | 12345678 | debug | output all |
| sntp ip | 210.59.157.10 | use daylight | ☐ | upgrade addr | |

After successful setting, those phones with ditmap can be dialed like ordinary phones as follows:

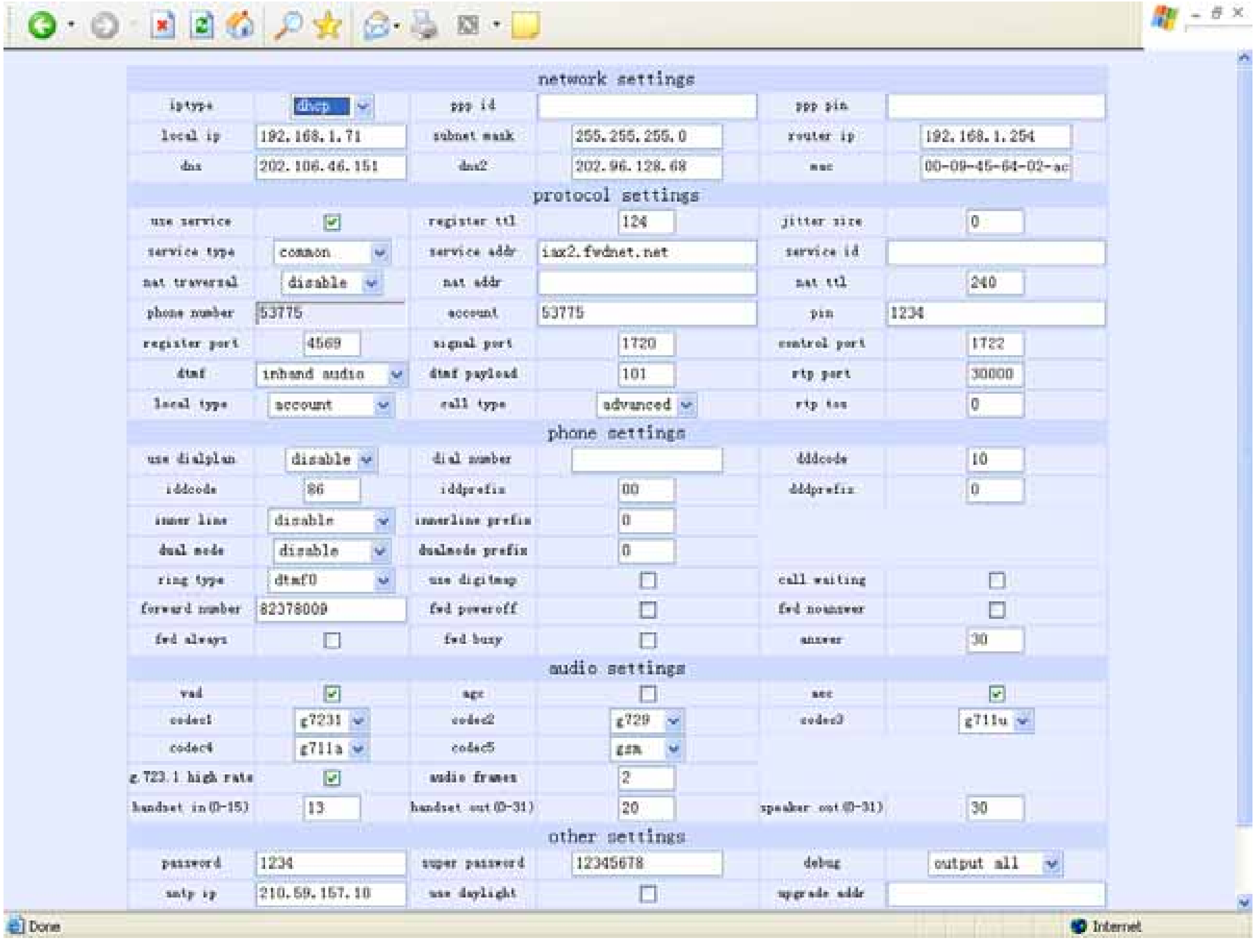
1) Place domestic calls: pick up the handset or press Speaker key, and then input "city code+phone number", such as a munber from Shanghai 02158547153; after a few seconds, the number will be called out.

2) Place international calls: pick up the handset or press Speaker key; and then input number: dial U.S.A number, please input "1+city code+phone number", such as 14089821818; dial number in other countries, pelase input "country code+city code+phone number", such as a munber from Taiwan 0088627997222; after a few seconds, the number will be called out.

3) Call other IP phone using Net2phone card: pick up the handset or press Speaker key; and then input "*72+phone number", such as *724081586324; after a few seconds, the number will be called out.

AS for those phones without digitmap, after above operation, please then press # or Call key to end the dialing

## IAX2




After You can use service from iax2.fwdnet.net to test it. You can call 613 for echo test. For a incoming call test, go to [www.freeworlddialup.com](http://www.freeworlddialup.com), choose menu->advanced->iax, use the "call me" link, input your account and pin, the system will call you in a minute.

Some parameters explanation:always select use service