HTEK IP Phones Configuration Guide for User Access Level of Web or LCD interface
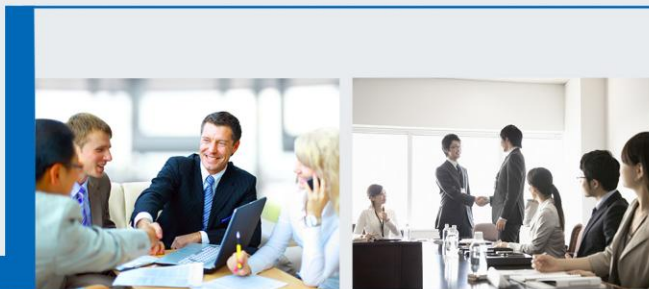

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Table of Contents

Overview

User access level feature is used to achieve different access levels for different authorized users. It is useful for protecting the IP phone from unauthorized configuration, and popularly used for the Hosted PBX solution. The following describes how to customize the access permission for configurations on the web interface and LCD interface.

Scenario

For a Hosted PBX solution, IP phones are provided to customers for free but required a minimum consumption monthly. All PBX services associated features on the deployed IP phones are preconfigured to avoid customers from using other Hosted PBX's service, and the Hosted PBX system administrator can restrict the user access permission using user access level feature. For example, the Hosted PBX system administrator restricts the write permission of the account associated configurations. This means customers can only read these configurations on both web interface and LCD interface.

Introduction

Htek IP Phones support access levels of admin, var and user. The following describes the detailed information of each access level:

- Admin: The administrator access level. With this access level, all configurations on both web interface and LCD interface can be read and written. The authentication identity for this access level is admin. And the default password is admin.
- Var: The value-added reseller access level. Generally, with this access level, most configurations on the web user interface and phone user interface can be read and written. The authentication identity for this access level is var. And the default password is 1234.
- User: The end user access level. Generally, only a few configurations are allowed to be written and read for access user. The authentication identity for this access level is user. And the default password is 1234.

Specification

Access permissions of all configuration items available on Htek IP Phones' web interface can be defined in a fixed UserAccessLevel.cfg file. Each configuration item in the file is formatted as:

ItemName = $X_1 X_2$

The valid values of X_1, X_2 include 0, 1, 2 and 3.

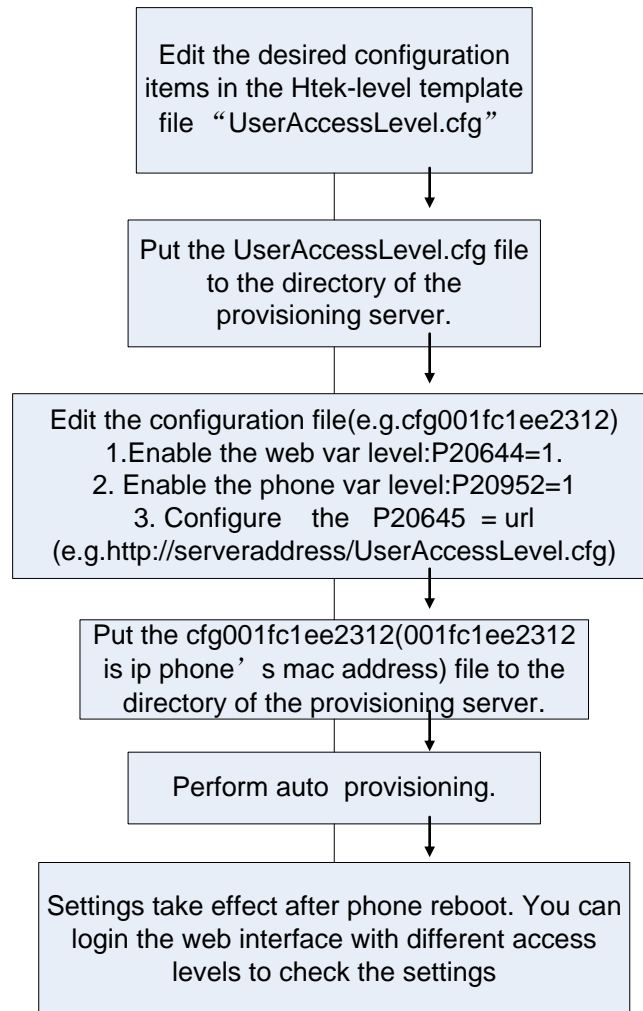X_1 is used for specifying the access level. The access levels: 2 = admin, 1 = var, 0 = user,3 = none.

X_2 is used for defining the access permission. 2 means the configuration item is read-only for X_1 and higher access levels. 1 means the configuration item is read-only for X_1 access level, and writable for higher access levels. 0 means the configuration item is writable for X_1 and higher access levels. 3 means the configuration item is read-only for X_1 and higher access levels. If X_2 does not exist, the configuration item is visible for X_1 and higher access levels.

The following table lists the possible values of $X_1 X_2$:

Value of $X_1 X_2$	Description
0	This configuration item is visible for admin, var and user access levels.
1	This configuration item is visible for admin and var access levels.
2	This configuration item is visible for admin access level only.
3	This configuration item is hidden for admin, var and user access levels.
00	This configuration item is writable for admin, var and user access levels.
01	This configuration item is read-only for user access level, writable for admin and var access levels.
02	This configuration item is read-only for var and user access levels, writable for admin access level.
03	This configuration item is read-only for admin, var and user access level.
10	This configuration item is writable for admin and var access levels, hidden for user access level.
11/12	This configuration item is read-only for var access level, writable for admin access level, hidden for user access level.
13	This configuration item is read-only for var and admin access level, hidden for user access level.
20/21/22	This configuration item is writable for admin access level, hidden for var and user access levels.
23	This configuration item is read-only for admin access level, hidden for var and user access levels.
30/31/32/33	This configuration item is hidden for admin, var and user access levels.

Application

This section will introduce procedures to configure access permission of the web interface in detail. The flow chart of configuring user access level is shown as below:

```
┌─────────────────────────────────┐
│ Edit the desired configuration  │
│ items in the Htek-level template│
│ file "UserAccessLevel.cfg"      │
└─────────────────────────────────┘
              │
              ▼
┌─────────────────────────────────┐
│ Put the UserAccessLevel.cfg file│
│      to the directory of the    │
│       provisioning server.      │
└─────────────────────────────────┘
              │
              ▼
┌─────────────────────────────────┐
│ Edit the configuration file(e.g.cfg001fc1ee2312) │
│      1.Enable the web var level:P20644=1.        │
│      2. Enable the phone var level:P20952=1      │
│      3. Configure   the   P20645 = url           │
│ (e.g.http://serveraddress/UserAccessLevel.cfg)   │
└─────────────────────────────────┘
              │
              ▼
┌─────────────────────────────────┐
│ Put the cfg001fc1ee2312(001fc1ee2312 │
│  is ip phone's mac address) file to the │
│    directory of the provisioning server. │
└─────────────────────────────────┘
              │
              ▼
┌─────────────────────────────────┐
│     Perform auto  provisioning. │
└─────────────────────────────────┘
              │
              ▼
┌─────────────────────────────────┐
│ Settings take effect after phone reboot. You can │
│   login the web interface with different access  │
│           levels to check the settings           │
└─────────────────────────────────┘
```

Customizing UserAccessLevel.cfg of web interface

You can contact us for the template file

Note:

We recommend you only edit the desired configuration items in the supplied "UserAccessLevel.cfg" file, and keep other configuration items constant. UserAccessLevel.cfg downloaded via auto provisioning will override that in the phone flash. Access level of any configuration item missed (including configuration value left blank) in the downloaded UserAccessLevel.cfg file will be changed to user by default.

The following shows configuration segments for the web interface in the UserAccessLevel.cfg file for reference:
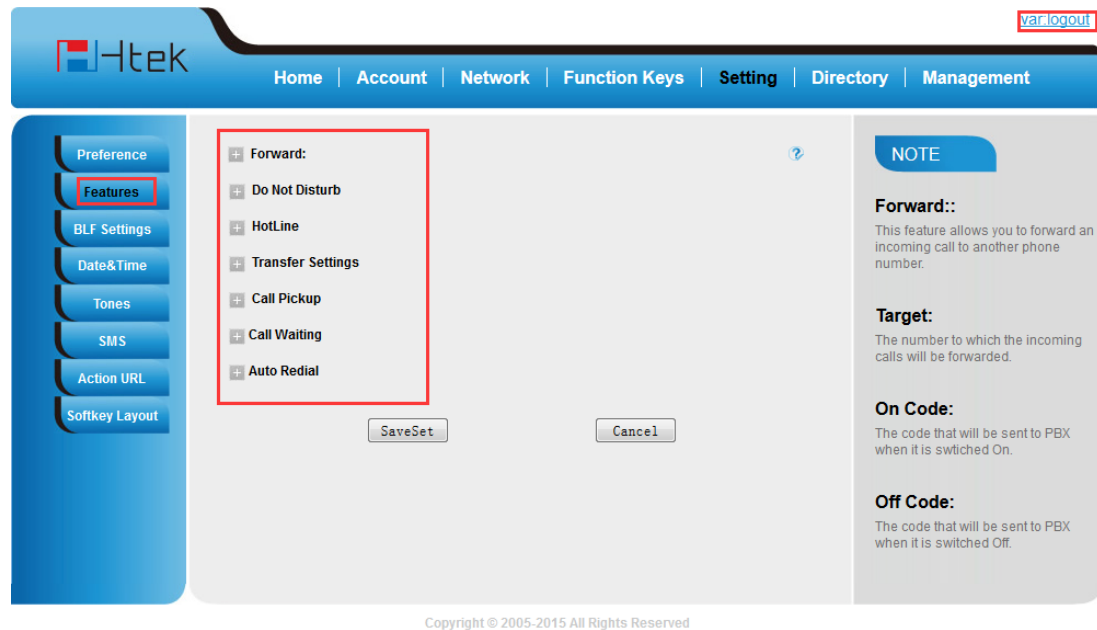
Sample 1: Configuration items in the UserAccessLevel.cfg for navigation bar settings of the Setting->Feature page:

```
###########Web-Setting-Features###########
Features(P21025) = 0
Features-Forward(P21026) = 1
Features-Forward-Always(P53100) = 0
Features-Forward-Busy(P53110) = 0
Features-Forward-NoAnswer(P53120) = 0
Features-DoNotDisturb(P21027) = 0
Features-HotLine(P21028) = 1
Features-TransferSettings(P21029) = 0
Features-CallPickup(P21030) = 0
Features-PhoneLock(P21031) = 2
Features-CallWaiting(P21032) = 0
Features-AlertRing(P21033) = 2
Features-AutoRedial(P21034) = 0
```

According to the above configuration of access level, when logging in the web interface with user, the web interface displays as below:
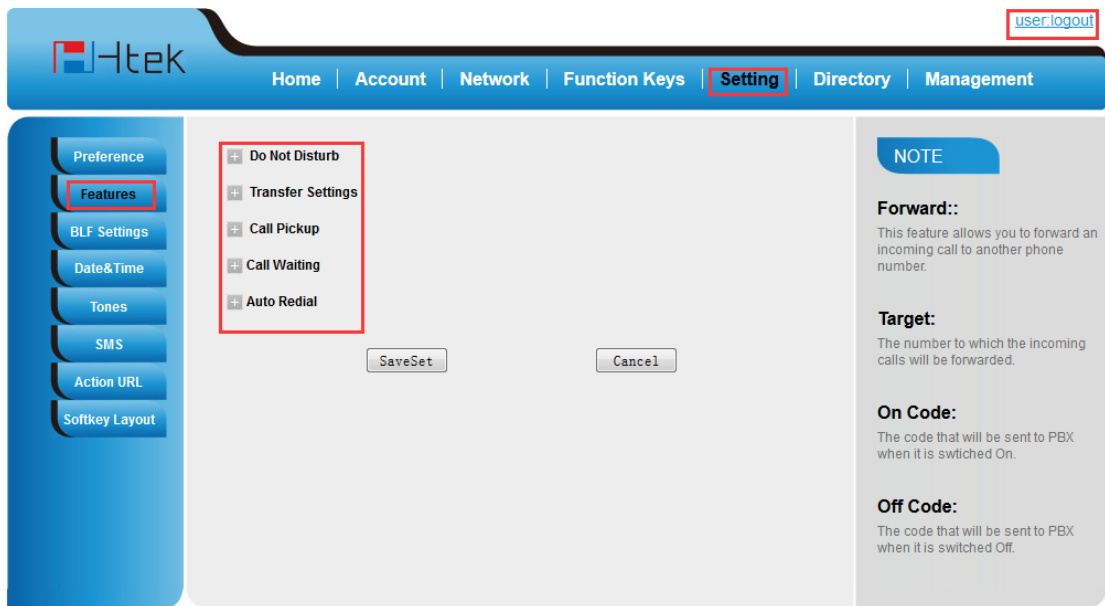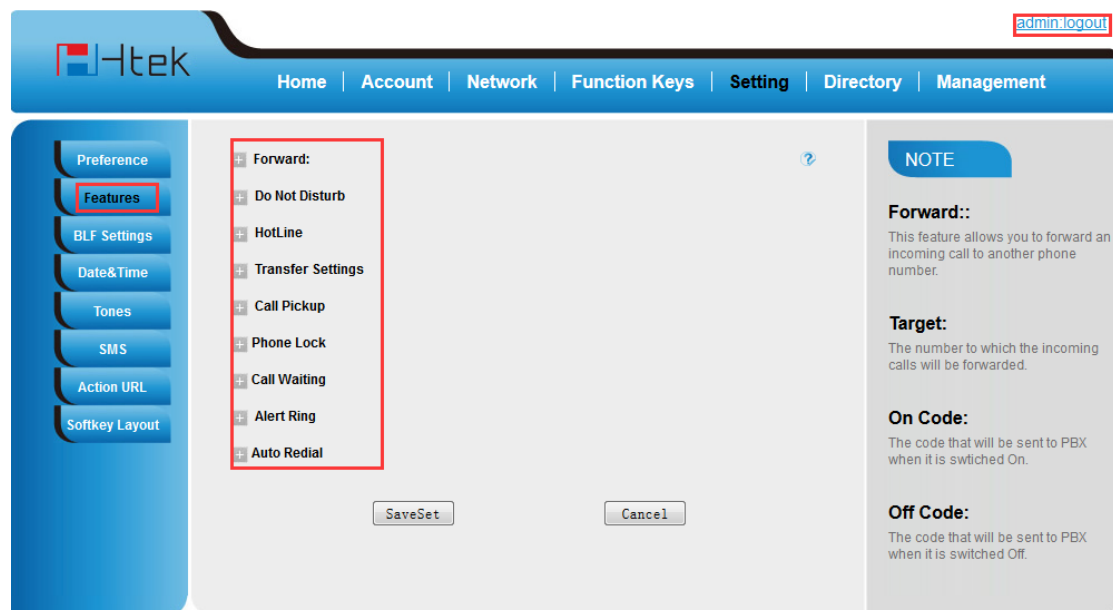

According to the above configuration of access level, when logging in the web interface with var, the web interface displays as below:

According to the above configuration of access level, when logging in the web interface with admin, the web interface displays as below:

Sample2: Configuration items in the UserAccessLevel.cfg for the Register settings of Account page:

```
###########Web-Account-Basic###########
Basic(P21007) = 0
Basic-Account(P21008) = 0
Basic-Account1-Status(P2801) = 02
Basic-Account1-AccountActive(P271) = 12
Basic-Account1-PriSipServer(P47) = 02
Basic-Account1-FailSipServer(P967) = 02
Basic-Account1-SecFailSipServer(P8851) = 02
Basic-Account1-PreferPriSipServer(P4567) = 02
```

Basic-Account1-OutboundProxy(P48)= 02

Basic-Account1-BackupOutboundProxy(P20047) = 02
Basic-Account1-SipTransport(P130) = 02
Basic-Account1-NATTraversal(P52) = 02
Basic-Account1-Label(P20000) = 00
Basic-Account1-SipUserID(P35) = 01
Basic-Account1-AuthenticateID(P36) = 01
Basic-Account1-AuthenticatePassword(P34) = 01
Basic-Account1-Name(P3) = 01
Basic-Account1-DNSMode(P103) = 0
Basic-Account1-UserIDIsPhoneNumber(P63) = 0
Basic-Account1-SipRegistration(P31) = 0
Basic-Account1-UnregisterOnReboot(P81) = 0
Basic-Account1-RegisterExpiration(P32) = 0
Basic-Account1-OutgoingCallWithoutReg(P109) = 0
Basic-Account1-LocalSipPort(P40) = 0
Basic-Account1-UseRandomPort(P78) = 0
Basic-Account1-VoiceMailUserID(P33) = 02
Basic-Account1-RPort(P136) = 11
Basic-Account1-RFC2543Hold(P1100) = 11
Basic-Account1-ConnectMode(P8775) = 11

According to the above configuration of access level, when logging in the web interface with user, the web interface displays as below:

According to the above configuration of access level, when logging in the web interface with var, the web interface displays as below:

According to the above configuration of access level, when logging in the web interface with admin, the web interface displays as below:

For more information on parameters of the UserAccessLevel.cfg file, refer to: Configuration Parameters.

Customizing UserAccessLevel.cfg of LCD interface

The following shows configuration segments for the LCD interface in the UserAccessLevel.cfg file for reference:

Access permissions of all configuration items available on Htek IP Phones' LCD interface can be defined in a fixed UserAccessLevel.cfg file. Each configuration item in the file is formatted as:

ItemName = X_1

The valid values of X_1 include 0, 1, 2 and 3.

X_1 is used for specifying the access level. The access levels: 2 = admin, 1 = var, 0 =

user,3 = none.

The following table lists the possible values of X_1:

Value of X_1	Description
0	This configuration item is visible for admin, var and user access levels.
1	This configuration item is visible for admin and var access levels.
2	This configuration item is visible for admin access level only.
3	This configuration item is hidden for admin, var and user access levels.

Note:

1. About LCD interface's configuration, Only have write and hidden features.
2. When you press the Menu button on phone's idle interface, you need to select the access level.
3. If you want to change the access level, you can enter menu->Display->User mode and select the access level.

Example 1: Configuration items in the UserAccessLevel.cfg for call forward menu and its submenu settings:

[Lcd-Menu-Features]

Features-CallForward(P21124) = 0

##########Menu-Features-CallForward##########

Features-CallForward-AlwaysForward(P21131) = 1

Features-CallForward-BusyForward(P21132) = 1

Features-CallForward-NoAnswerForward(P21133) = 2

According to the above configuration of access level, when logging in to the LCD interface with user, the access permission is displayed as below:

Always forward/ Busy forward/No answer forward is hidden for user:
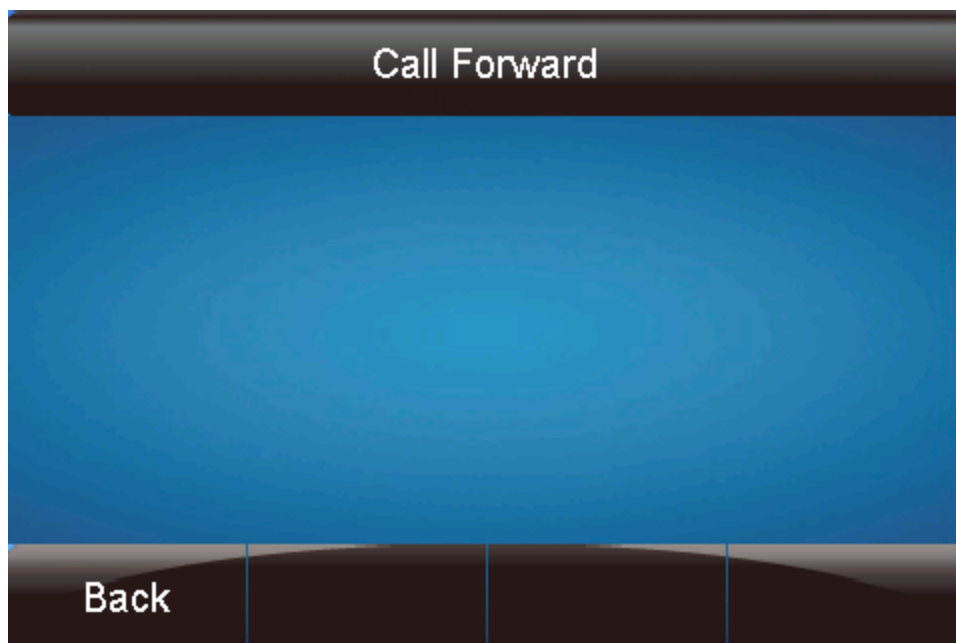
When logging in to the LCD interface with var, the access permission is displayed as

below:

Always forward/ Busy forward submenu is writable for var:
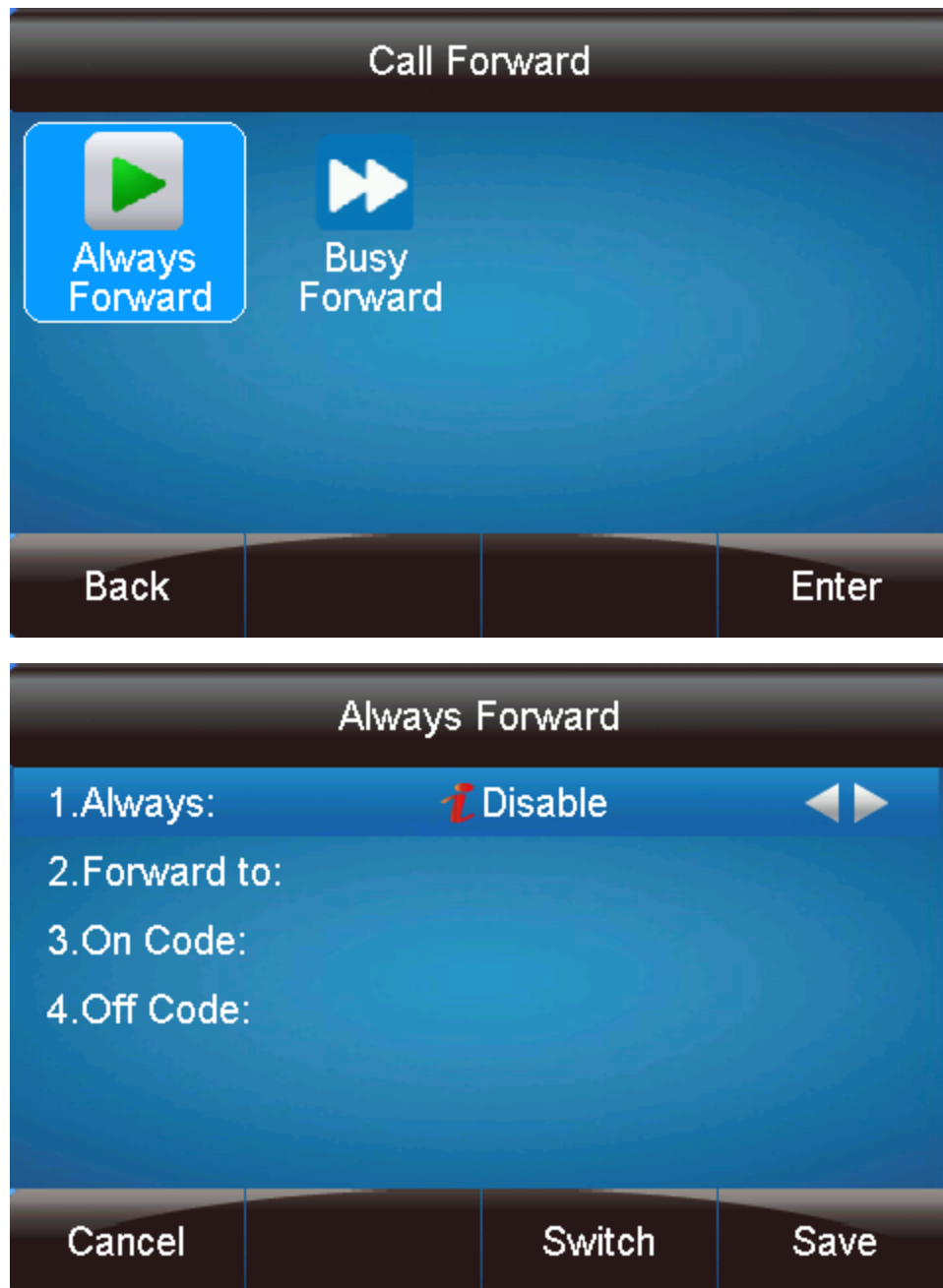
When logging in to the LCD interface with admin, the access permission is displayed as below:

Always forward/ Busy forward/No answer forward submenu is writable for admin:
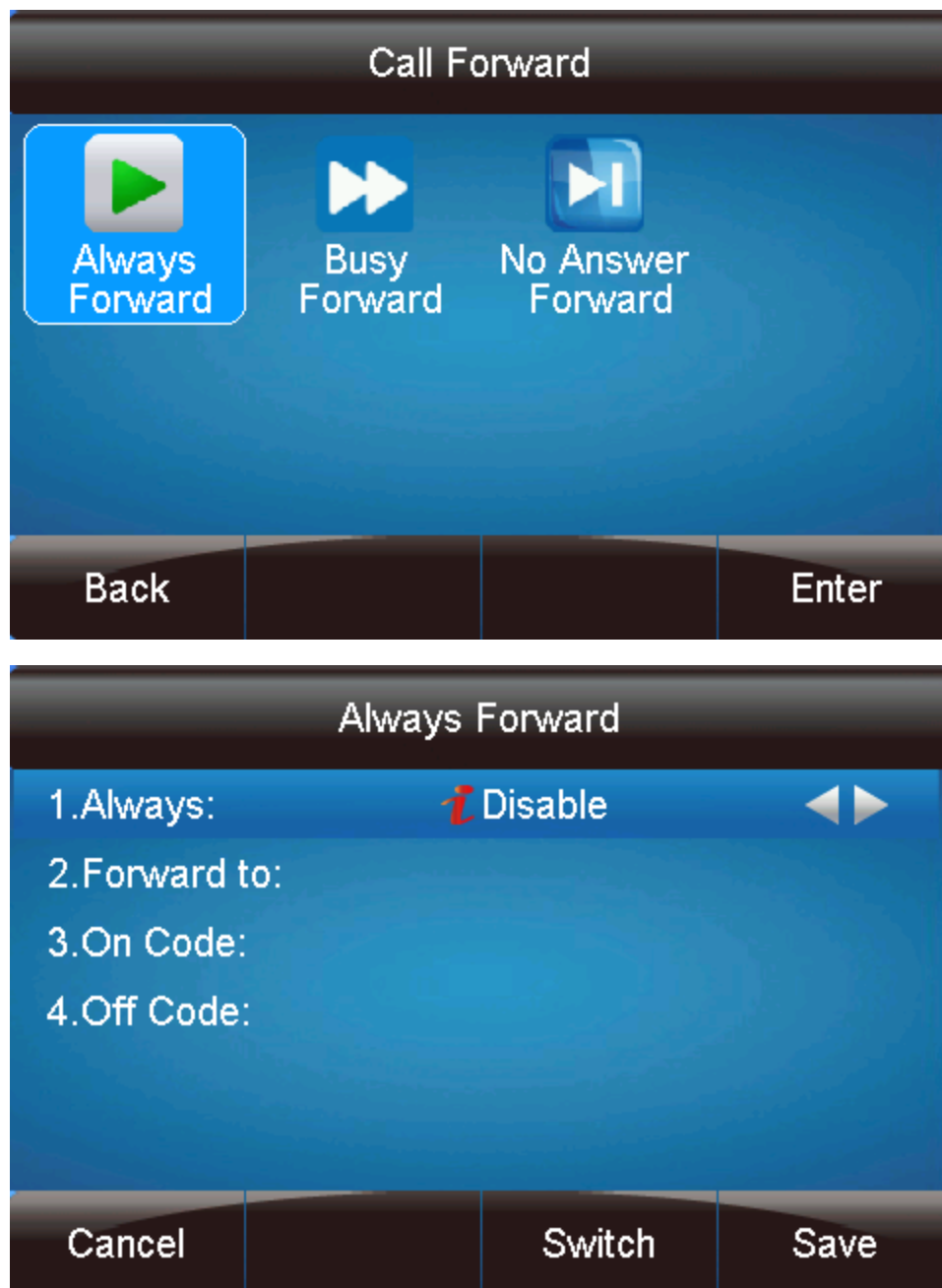
For more information on parameters of the WebItemsLevel.cfg file, refer to Configuration Parameters.

Configuration Htek IP Phone

User access level feature is disabled for Htek IP phone in standard firmware version by default. Before using this feature, you need to enable it through auto provisioning introduced as following. User access level feature is configurable only via configuration files.

To configure user access level feature for Htek IP phone:

1. Edit the following parameters in the configuration file (e.g., factory0000.bin).

Parameters	Permitted Values	Default	Description
P20644	0 or1	0	This parameter is used to enable or disable the login of the web interface with different access levels. 0- Disabled 1- Enabled It takes effect after reboot.
P20952	0 or1	0	This parameter is used to enable or disable the login of the LCD interface with different access levels. 0 -Disabled 1 -Enabled It takes effect after reboot.
P20645	FTP, TFTP, HTTP or HTTPS download URL	Blank	This parameter is used to configure the access URL of the UserAccessLevel.cfg file. (e.g.http://192.168.0.24/autoprovision/UserAccessLevel.cfg) It takes effect after reboot.

2. Upload the configuration file to the directory of the provisioning server.

3. Configure the access URL of the provisioning server for the IP phone.

4. Restart IP phone to perform auto provisioning

For more information on auto provisioning Htek IP phones, refer to HTEK UC800 SIP Phone Auto Provision User Guide.pdf.

When the user access level is enabled, you can login the web/LCD interface with different access levels.

To login the web interface with different access levels:

1. Press the OK key when the phone is idle to obtain the IP address.

2. Enter the IP address (e.g., http://192.168.0.10 or 192.168.0.10) in the address bar of web browser on your PC and then press the Enter key.

3. Enter the user name (admin/var/user) and password (admin/1234/1234) in the login page.

4. Click Confirm to login.

When logging in with different access levels, you can see different permissions of web interface.

To login the LCD interface with different access levels:

1. Press Menu->User Mode.

2. Press > or < , or the Switch softkey to select the desired access level in the User Type field.

3. Enter the password in the Password field.
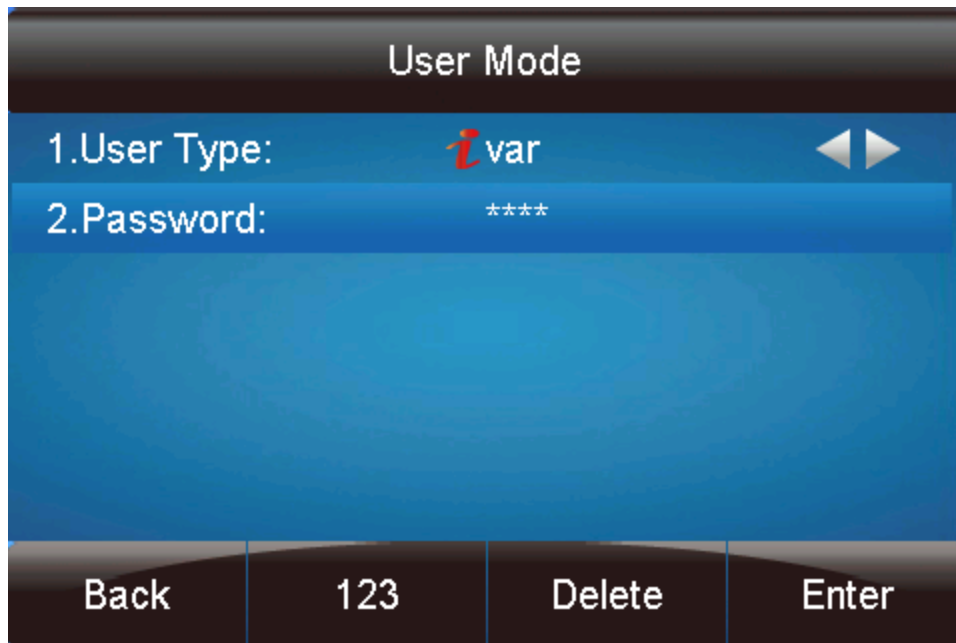
4.   Press the Enter softkey to accept the change.

You can see different permissions of LCD interface when logging in with different access levels.

Configuration parameters of web interface

[Web-Home]
Status(P21000) = 0
Status-Version(P21001) = 0
Status-ExpansionModuleVersion(P21002) = 0
Status-AccountStatus(P21003) = 0
Status-Network(P21004) = 0
Status-MemoryFree(P21005) = 0
Status-SystemUpTime(P21006) = 0

[Web-Account]

###########Web-Account-Basic##########
Basic(P21007) = 0
Basic-Account(P21008) = 0
Basic-Account1-Status(P2801) = 0
Basic-Account1-AccountActive(P271) = 01
Basic-Account1-PriSipServer(P47) = 01
Basic-Account1-FailSipServer(P967) = 01

```
Basic-Account1-SecFailSipServer(P8851) = 01
Basic-Account1-PreferPriSipServer(P4567) = 01
Basic-Account1-OutboundProxy(P48) = 01
Basic-Account1-BackupOutboundProxy(P20047) = 01
Basic-Account1-SipTransport(P130) = 01
Basic-Account1-NATTraversal(P52) = 01
Basic-Account1-Label(P20000) = 0
Basic-Account1-SipUserID(P35) = 01
Basic-Account1-AuthenticateID(P36) = 01
Basic-Account1-AuthenticatePassword(P34) = 01
Basic-Account1-Name(P3) = 01
Basic-Account1-DNSMode(P103) = 01
Basic-Account1-UserIDIsPhoneNumber(P63) = 01
Basic-Account1-SipRegistration(P31) = 01
Basic-Account1-UnregisterOnReboot(P81) = 01
Basic-Account1-RegisterExpiration(P32) = 01
Basic-Account1-OutgoingCallWithoutReg(P109) = 01
Basic-Account1-LocalSipPort(P40) = 01
Basic-Account1-UseRandomPort(P78) = 01
Basic-Account1-VoiceMailUserID(P33) = 01
Basic-Account1-RPort(P136) = 01
Basic-Account1-RFC2543Hold(P1100) = 01
Basic-Account1-ConnectMode(P8775) = 01

Basic-Account2-Status(P2811) = 0
Basic-Account2-AccountActive(P401) = 01
Basic-Account2-PriSipServer(P747) = 01
Basic-Account2-FailSipServer(P987) = 01
Basic-Account2-SecFailSipServer(P8852) = 01
Basic-Account2-PreferPriSipServer(P4568) = 01
Basic-Account2-OutboundProxy(P748) = 01
Basic-Account2-BackupOutboundProxy(P20048) = 01
Basic-Account2-SipTransport(P830) = 01
Basic-Account2-NATTraversal(P730) = 01
Basic-Account2-Label(P20001) = 0
Basic-Account2-SipUserID(P735) = 01
Basic-Account2-AuthenticateID(P736) = 01
Basic-Account2-AuthenticatePassword(P734) = 01
Basic-Account2-Name(P703) = 01
Basic-Account2-DNSMode(P702) = 01
Basic-Account2-UserIDIsPhoneNumber(P763) = 01
Basic-Account2-SipRegistration(P731) = 01
Basic-Account2-UnregisterOnReboot(P752) = 01
Basic-Account2-RegisterExpiration(P732) = 01
```

Basic-Account2-OutgoingCallWithoutReg(P813) = 01
Basic-Account2-LocalSipPort(P740) = 01
Basic-Account2-UseRandomPort(P778) = 01
Basic-Account2-VoiceMailUserID(P426) = 01
Basic-Account2-RPort(P137) = 01
Basic-Account2-RFC2543Hold(P1101) = 01
Basic-Account2-ConnectMode(P8776) = 01

Basic-Account3-Status(P2821) = 0
Basic-Account3-AccountActive(P501) = 01
Basic-Account3-PriSipServer(P502) = 01
Basic-Account3-FailSipServer(P988) = 01
Basic-Account3-SecFailSipServer(P8853) = 01
Basic-Account3-PreferPriSipServer(P4569) = 01
Basic-Account3-OutboundProxy(P503) = 01
Basic-Account3-BackupOutboundProxy(P20049) = 01
Basic-Account3-SipTransport(P930) = 01
Basic-Account3-NATTraversal(P514) = 01
Basic-Account3-Label(P20002) = 0
Basic-Account3-SipUserID(P504) = 01
Basic-Account3-AuthenticateID(P505) = 01
Basic-Account3-AuthenticatePassword(P506) = 01
Basic-Account3-Name(P507) = 01
Basic-Account3-DNSMode(P508) = 01
Basic-Account3-UserIDIsPhoneNumber(P509) = 01
Basic-Account3-SipRegistration(P510) = 01
Basic-Account3-UnregisterOnReboot(P511) = 01
Basic-Account3-RegisterExpiration(P512) = 01
Basic-Account3-OutgoingCallWithoutReg(P913) = 01
Basic-Account3-LocalSipPort(P513) = 01
Basic-Account3-UseRandomPort(P578) = 01
Basic-Account3-VoiceMailUserID(P526) = 01
Basic-Account3-RPort(P138) = 01
Basic-Account3-RFC2543Hold(P1102) = 01
Basic-Account3-ConnectMode(P8777) = 01

Basic-Account4-Status(P2831) = 0
Basic-Account4-AccountActive(P601) = 01
Basic-Account4-PriSipServer(P602) = 01
Basic-Account4-FailSipServer(P989) = 01
Basic-Account4-SecFailSipServer(P8854) = 01
Basic-Account4-PreferPriSipServer(P4570) = 01
Basic-Account4-OutboundProxy(P603) = 01
Basic-Account4-BackupOutboundProxy(P20050) = 01

Basic-Account4-SipTransport(P1030) = 01
Basic-Account4-NATTraversal(P614) = 01
Basic-Account4-Label(P20003) = 0
Basic-Account4-SipUserID(P604) = 01
Basic-Account4-AuthenticateID(P605) = 01
Basic-Account4-AuthenticatePassword(P606) = 01
Basic-Account4-Name(P607) = 01
Basic-Account4-DNSMode(P608) = 01
Basic-Account4-UserIDIsPhoneNumber(P609) = 01
Basic-Account4-SipRegistration(P610) = 01
Basic-Account4-UnregisterOnReboot(P611) = 01
Basic-Account4-RegisterExpiration(P612) = 01
Basic-Account4-OutgoingCallWithoutReg(P1013) = 01
Basic-Account4-LocalSipPort(P613) = 01
Basic-Account4-UseRandomPort(P678) = 01
Basic-Account4-VoiceMailUserID(P626) = 01
Basic-Account4-RPort(P139) = 01
Basic-Account4-RFC2543Hold(P1103) = 01
Basic-Account4-ConnectMode(P8778) = 01

##########Web-Account-Codec##########
Codec(P21009) = 0
Codec-Account(P21010) = 0
Codec-Account-PreferredVocoder(P21011) = 0;
Codec-Account1-Choice1(P57) = 01
Codec-Account1-Choice2(P58) = 01
Codec-Account1-Choice3(P59) = 01
Codec-Account1-Choice4(P60) = 01
Codec-Account1-Choice5(P61) = 01
Codec-Account1-Choice6(P62) = 01
Codec-Account1-PTime(P37) = 01
Codec-Account1-G723Rate(P49) = 01
Codec-Account1-iLBCMode(P394) = 01
Codec-Account1-iLBCPayloadType(P390) = 01

Codec-Account2-Choice1(P757) = 01
Codec-Account2-Choice2(P758) = 01
Codec-Account2-Choice3(P759) = 01
Codec-Account2-Choice4(P760) = 01
Codec-Account2-Choice5(P761) = 01
Codec-Account2-Choice6(P762) = 01
Codec-Account2-PTime(P737) = 01
Codec-Account2-G723Rate(P749) = 01
Codec-Account2-iLBCMode(P395) = 01

Codec-Account2-iLBCPayloadType(P391) = 01

Codec-Account3-Choice1(P551) = 01
Codec-Account3-Choice2(P552) = 01
Codec-Account3-Choice3(P553) = 01
Codec-Account3-Choice4(P554) = 01
Codec-Account3-Choice5(P555) = 01
Codec-Account3-Choice6(P556) = 01
Codec-Account3-PTime(P537) = 01
Codec-Account3-G723Rate(P559) = 01
Codec-Account3-iLBCMode(P396) = 01
Codec-Account3-iLBCPayloadType(P392) = 01

Codec-Account4-Choice1(P651) = 01
Codec-Account4-Choice2(P652) = 01
Codec-Account4-Choice3(P653) = 01
Codec-Account4-Choice4(P654) = 01
Codec-Account4-Choice5(P655) = 01
Codec-Account4-Choice6(P656) = 01
Codec-Account4-PTime(P637) = 01
Codec-Account4-G723Rate(P659) = 01
Codec-Account4-iLBCMode(P397) = 01
Codec-Account4-iLBCPayloadType(P393) = 01

##########Web-Account-Advanced##########
Advanced(P21012) = 0
Advanced-Account(P21013) = 0
Advanced-Account1-DTMFPayloadType(P79) = 01
Advanced-Account1-DTMFType(P20166) = 01
Advanced-Account1-SendFlashEvent(P74) = 01
Advanced-Account1-EnableCallFeatures(P191) = 01
Advanced-Account1-ProxyRequire(P197) = 01
Advanced-Account1-UseNatIP(P101) = 01
Advanced-Account1-SRTPMode(P183) = 01
Advanced-Account1-VAD(P50) = 01
Advanced-Account1-SymmetricRTP(P291) = 01
Advanced-Account1-JitterBufferType(P133) = 01
Advanced-Account1-JitterBufferLength(P132) = 01
Advanced-Account1-AccountRingTone(P104) = 01
Advanced-Account1-RingTimeout(P185) = 01
Advanced-Account1-UseAsDialKey(P72) = 01
Advanced-Account1-DialPlan(P4200) = 01
Advanced-Account1-SubscribeForMWI(P99) = 01
Advanced-Account1-SendAnonymous(P65) = 01

Advanced-Account1-AnonymousCallRejection(P129) = 01

Advanced-Account1-CheckSIPUserID(P258) = 01

Advanced-Account1-AutoAnswer(P90) = 01

Advanced-Account1-AllowAutoAnswerByCallInfo(P298) = 01

Advanced-Account1-TurnOffSpOnReDisconnect(P299) = 01

Advanced-Account1-SessionExpiration(P260) = 01

Advanced-Account1-MinSE(P261) = 01

Advanced-Account1-CallerRequestTimer(P262) = 01

Advanced-Account1-CalleeRequestTimer(P263) = 01

Advanced-Account1-ForceTimer(P264) = 01

Advanced-Account1-UACSpecifyRefresher(P266) = 01

Advanced-Account1-UASSpecifyRefresher(P267) = 01

Advanced-Account1-ForceInvite(P265) = 01

Advanced-Account1-HookFlashTimingMin(P251) = 01

Advanced-Account1-HookFlashTimingMax(P252) = 01

Advanced-Account1-sepcialFeature(P198) = 01

Advanced-Account1-EventlistBLFURL(P134) = 01

Advanced-Account1-ShareLine(P8771) = 01

Advanced-Account1-SIPServerType(P8791) = 01

Advanced-Account1-100reliableRetransmission(P8811) = 01

Advanced-Account1-EarlySession(P8841) = 01

Advanced-Account1-RefuseReturnCode(P8845) = 01

Advanced-Account1-DirectCallPickupCode(P4705) = 01

Advanced-Account1-GroupCallPickupCode(P4706) = 01

Advanced-Account1-FeatureKeySync(P8633) = 01

Advanced-Account1-ConferenceType(P20004) = 01

Advanced-Account1-ConferenceURI(P20008) = 01

Advanced-Account1-SipSendMac(P20053) = 01

Advanced-Account1-CallerDisplaySource(P20157) = 01

Advanced-Account2-DTMFPayloadType(P779) = 01

Advanced-Account2-DTMFType(P20167) = 01

Advanced-Account2-SendFlashEvent(P774) = 01

Advanced-Account2-EnableCallFeatures(P751) = 01

Advanced-Account2-ProxyRequire(P792) = 01

Advanced-Account2-UseNatIP(P866) = 01

Advanced-Account2-SRTPMode(P443) = 01

Advanced-Account2-VAD(P750) = 01

Advanced-Account2-SymmetricRTP(P460) = 01

Advanced-Account2-JitterBufferType(P831) = 01

Advanced-Account2-JitterBufferLength(P832) = 01

Advanced-Account2-AccountRingTone(P423) = 01

Advanced-Account2-RingTimeout(P816) = 01

Advanced-Account2-UseAsDialKey(P772) = 01

Advanced-Account2-DialPlan(P4201) = 01
Advanced-Account2-SubscribeForMWI(P709) = 01
Advanced-Account2-SendAnonymous(P421) = 01
Advanced-Account2-AnonymousCallRejection(P446) = 01
Advanced-Account2-CheckSIPUserID(P458) = 01
Advanced-Account2-AutoAnswer(P425) = 01
Advanced-Account2-AllowAutoAnswerByCallInfo(P438) = 01
Advanced-Account2-TurnOffSpOnReDisconnect(P439) = 01
Advanced-Account2-SessionExpiration(P434) = 01
Advanced-Account2-MinSE(P427) = 01
Advanced-Account2-CallerRequestTimer(P428) = 01
Advanced-Account2-CalleeRequestTimer(P429) = 01
Advanced-Account2-ForceTimer(P430) = 01
Advanced-Account2-UACSpecifyRefresher(P432) = 01
Advanced-Account2-UASSpecifyRefresher(P433) = 01
Advanced-Account2-ForceInvite(P431) = 01
Advanced-Account2-HookFlashTimingMin(P811) = 01
Advanced-Account2-HookFlashTimingMax(P812) = 01
Advanced-Account2-sepcialFeature(P767) = 01
Advanced-Account2-EventlistBLFURL(P444) = 01
Advanced-Account2-ShareLine(P8772) = 01
Advanced-Account2-SIPServerType(P8792) = 01
Advanced-Account2-100reliableRetransmission(P8812) = 01
Advanced-Account2-EarlySession(P8842) = 01
Advanced-Account2-RefuseReturnCode(P8846) = 01
Advanced-Account2-DirectCallPickupCode(P4715) = 01
Advanced-Account2-GroupCallPickupCode(P4716) = 01
Advanced-Account2-FeatureKeySync(P8634) = 01
Advanced-Account2-ConferenceType(P20005) = 01
Advanced-Account2-ConferenceURI(P20009) = 01
Advanced-Account2-SipSendMac(P20054) = 01
Advanced-Account2-CallerDisplaySource(P20158) = 01

Advanced-Account3-DTMFPayloadType(P579) = 01
Advanced-Account3-DTMFType(P20168) = 01
Advanced-Account3-SendFlashEvent(P775) = 01
Advanced-Account3-EnableCallFeatures(P1891) = 01
Advanced-Account3-ProxyRequire(P518) = 01
Advanced-Account3-UseNatIP(P566) = 01
Advanced-Account3-SRTPMode(P543) = 01
Advanced-Account3-VAD(P550) = 01
Advanced-Account3-SymmetricRTP(P591) = 01
Advanced-Account3-JitterBufferType(P1133) = 01
Advanced-Account3-JitterBufferLength(P1132) = 01

Advanced-Account3-AccountRingTone(P523) = 01
Advanced-Account3-RingTimeout(P1885) = 01
Advanced-Account3-UseAsDialKey(P1672) = 01
Advanced-Account3-DialPlan(P4202) = 01
Advanced-Account3-SubscribeForMWI(P515) = 01
Advanced-Account3-SendAnonymous(P521) = 01
Advanced-Account3-AnonymousCallRejection(P1846) = 01
Advanced-Account3-CheckSIPUserID(P567) = 01
Advanced-Account3-AutoAnswer(P525) = 01
Advanced-Account3-AllowAutoAnswerByCallInfo(P538) = 01
Advanced-Account3-TurnOffSpOnReDisconnect(P539) = 01
Advanced-Account3-SessionExpiration(P534) = 01
Advanced-Account3-MinSE(P527) = 01
Advanced-Account3-CallerRequestTimer(P528) = 01
Advanced-Account3-CalleeRequestTimer(P529) = 01
Advanced-Account3-ForceTimer(P530) = 01
Advanced-Account3-UACSpecifyRefresher(P532) = 01
Advanced-Account3-UASSpecifyRefresher(P533) = 01
Advanced-Account3-ForceInvite(P531) = 01
Advanced-Account3-HookFlashTimingMin(P1811) = 01
Advanced-Account3-HookFlashTimingMax(P1812) = 01
Advanced-Account3-sepcialFeature(P524) = 01
Advanced-Account3-EventlistBLFURL(P544) = 01
Advanced-Account3-ShareLine(P8773) = 01
Advanced-Account3-SIPServerType(P8793) = 01
Advanced-Account3-100reliableRetransmission(P8813) = 01
Advanced-Account3-EarlySession(P8843) = 01
Advanced-Account3-RefuseReturnCode(P8847) = 01
Advanced-Account3-DirectCallPickupCode(P4725) = 01
Advanced-Account3-GroupCallPickupCode(P4726) = 01
Advanced-Account3-FeatureKeySync(P8635) = 01
Advanced-Account3-ConferenceType(P20006) = 01
Advanced-Account3-ConferenceURI(P20010) = 01
Advanced-Account3-SipSendMac(P20055) = 01
Advanced-Account3-CallerDisplaySource(P20159) = 01

Advanced-Account4-DTMFPayloadType(P679) = 01
Advanced-Account4-DTMFType(P20169) = 01
Advanced-Account4-SendFlashEvent(P776) = 01
Advanced-Account4-EnableCallFeatures(P1991) = 01
Advanced-Account4-ProxyRequire(P618) = 01
Advanced-Account4-UseNatIP(P666) = 01
Advanced-Account4-SRTPMode(P643) = 01
Advanced-Account4-VAD(P695) = 01

Advanced-Account4-SymmetricRTP(P691) = 01
Advanced-Account4-JitterBufferType(P1233) = 01
Advanced-Account4-JitterBufferLength(P1232) = 01
Advanced-Account4-AccountRingTone(P623) = 01
Advanced-Account4-RingTimeout(P1886) = 01
Advanced-Account4-UseAsDialKey(P1772) = 01
Advanced-Account4-DialPlan(P4203) = 01
Advanced-Account4-SubscribeForMWI(P615) = 01
Advanced-Account4-SendAnonymous(P621) = 01
Advanced-Account4-AnonymousCallRejection(P1946) = 01
Advanced-Account4-CheckSIPUserID(P667) = 01
Advanced-Account4-AutoAnswer(P625) = 01
Advanced-Account4-AllowAutoAnswerByCallInfo(P638) = 01
Advanced-Account4-TurnOffSpOnReDisconnect(P639) = 01
Advanced-Account4-SessionExpiration(P634) = 01
Advanced-Account4-MinSE(P627) = 01
Advanced-Account4-CallerRequestTimer(P628) = 01
Advanced-Account4-CalleeRequestTimer(P629) = 01
Advanced-Account4-ForceTimer(P630) = 01
Advanced-Account4-UACSpecifyRefresher(P632) = 01
Advanced-Account4-UASSpecifyRefresher(P633) = 01
Advanced-Account4-ForceInvite(P631) = 01
Advanced-Account4-HookFlashTimingMin(P1911) = 01
Advanced-Account4-HookFlashTimingMax(P1912) = 01
Advanced-Account4-sepcialFeature(P624) = 01
Advanced-Account4-EventlistBLFURL(P644) = 01
Advanced-Account4-ShareLine(P8774) = 01
Advanced-Account4-SIPServerType(P8794) = 01
Advanced-Account4-100reliableRetransmission(P8814) = 01
Advanced-Account4-EarlySession(P8844) = 01
Advanced-Account4-RefuseReturnCode(P8848) = 01
Advanced-Account4-DirectCallPickupCode(P4735) = 01
Advanced-Account4-GroupCallPickupCode(P4736) = 01
Advanced-Account4-FeatureKeySync(P8656) = 01
Advanced-Account4-ConferenceType(P20007) = 01
Advanced-Account4-ConferenceURI(P20011) = 01
Advanced-Account4-SipSendMac(P20056) = 01
Advanced-Account4-CallerDisplaySource(P20160) = 01

[Web-Network]

##########Web-Network-Basic##########
Basic(P21014) = 0
Basic-WAN(P8) = 0

Basic-DHCPHostName(P146) = 01
Basic-DHCPDomain(P147) = 01
Basic-DHCPVendorClassId(P148) = 01
Basic-DHCPUserClass(P149) = 01
Basic-IPAddress(P9) = 01
Basic-SubnetMask(P13) = 01
Basic-DefaultGateway(P17) = 01
Basic-StaticDNS(P20163) = 01
Basic-PrimaryDNS(P21) = 01
Basic-SecondaryDNS(P25) = 01
Basic-PPPoEAccountID(P82) = 01
Basic-PPPoEPassword(P83) = 01
Basic-PPPoEServiceName(P269) = 01
Basic-PreferredDNSServer(P92) = 01
Basic-ReplyToICMP(P189) = 01
Basic-WANHttpAccess(P190) = 01
Basic-PCPort(P231) = 0
Basic-RouterIPAddress(P111) = 01
Basic-RouterSubnetMask(P110) = 01
Basic-RouterIPLeaseTime(P112) = 01
Basic-DHCPServer(P8639) = 01
Basic-RouterDMZIP(P113) = 01
Basic-PortMap(P150) = 01

###########Web-Network-Advanced##########
Advanced(P21015) = 0
Advanced-LLDAP(P5438) = 01
Advanced-QosSet(P38) = 01
Advanced-VPN(P8629) = 01
Advanced-DHCPVlan(P8684) = 01
Advanced-WebServer(P901) = 01
Advanced-X8021(P8626) = 01
Advanced-LocalRTPPort(P739) = 01
Advanced-VQRTCPReport(P20119) = 01
Advanced-Others(P76) = 01

[Web-Function Keys]

########### Web-Function Keys ##########
LineKey(P21016) = 0
MemoryKey(P21017) = 0
ProgrammableKey(P21018) = 0
EXPKey(P21019) = 0

[Web-Setting]

###########Web-Setting-Preference##########
Preference(P21020) = 0
Preference-WebLanguage(P2525) = 0
Preference-KeypadDTMFTone(P1300) = 0
Preference-VolumeAmplification(P20083) = 0
Preference-BacklightTime(P8683) = 0
Preference-ScreenTimeOut(P8940) = 0
Preference-TextLogo(P8951) = 0
Preference-ScreenSaverType(P8950) = 0
Preference-UploadScreenPhoto(P21021) = 0
Preference-DeleteScreenSaverPhoto(P21022) = 0
Preference-RingTones(P8721) = 0
Preference-NoKeyEntryTimeout(P85) = 0
Preference-DialnowTimeout(P1085) =0
Preference-LEDStatusSetting(P3734) = 0
Preference-IncomingCallShowMode(P8672) = 0
Preference-WatchDogEnable(P8680) = 0
Preference-CustomerSetUserAgent(P40000) = 0
Preference-DisplayMode(P2532) = 0
Preference-Wallpaper(P8660) = 0
Preference-UploadWallpaper(P21023) = 0
Preference-DeleteWallpaper(P21024) = 0
Preference-DialFirstDigit(P20018) = 0
Preference-RefreshCallerIdViaContact(P20017) = 0
Preference-HeadSetPriority(P20019) = 0
Preference-RingerDeviceForHeadSet(P20020) = 0
Preference-RedialMode(P20073) = 0
Preference-IntercomBarge(P20074) = 0
Preference-ShowMissedCalls(P20075) = 0
Preference-SuppressDTMFDisplay(P20116) = 0
Preference-SuppressDTMFDisplayDelay(P20117) = 0
Preference-VoiceMailTone(P20118) = 0
Preference-BusyToneTimer(P56203) = 0

###########Web-Setting-Features##########
Features(P21025) = 0
Features-Forward(P21026) = 0
Features-Forward-Always(P53100) = 0
Features-Forward-Busy(P53110) = 0
Features-Forward-NoAnswer(P53120) = 0
Features-DoNotDisturb(P21027) = 0
Features-HotLine(P21028) = 0

Features-TransferSettings(P21029) = 0

Features-CallPickup(P21030) = 0

Features-PhoneLock(P21031) = 0

Features-CallWaiting(P21032) = 0

Features-AlertRing(P21033) = 0

Features-AutoRedial(P21034) = 0

###########Web-Setting-BLF Settings###########

BLFSettings(P21035) = 0

###########Web-Setting-Date&Time###########

DateTime(P21036) = 0

DateTime-DHCPTime(P143) = 0

DateTime-TimeZone(P64) = 0

DateTime-NTPServerisCoveredwithDHCP(P144) = 0

DateTime-NTPServer(P30) = 0

DateTime-BackupNTPServer(P8622) = 0

DateTime-DaylightSavingTime(P75) = 0

DateTime-TimeFormat(P8624) = 0

DateTime-DateDisplayFormat(P102) = 0

###########Web-Setting-Tones###########

Tones(P21037) = 0

Tones-SelectCountry(P20058) = 0

Tones-DialTone(P4000) = 0

Tones-RingbackTone(P4001) = 0

Tones-BusyTone(P4002) = 0

Tones-ReorderTone(P4003) = 0

Tones-ConfirmationTone(P4004) = 0

Tones-CallWaitingTone(P4005) = 0

###########Web-Setting-SMS###########

SMS(P21038) = 0

###########Web-Setting-Action URL###########

ActionURL(P21039) = 0

ActionURL-SetupCompleted(P3701) = 0

ActionURL-LogOn(P3702) = 0

ActionURL-LogOff(P3703) = 0

ActionURL-RegisterFailed(P3704) = 0

ActionURL-OffHook(P3705) = 0

ActionURL-OnHook(P3706) = 0

ActionURL-IncomingCall(P3707) = 0

ActionURL-OutgoingCall(P3708) = 0

ActionURL-CallEstablished(P3709) = 0

ActionURL-CallTerminated(P3710) = 0

ActionURL-OpenDND(P3711) = 0

ActionURL-CloseDND(P3712) = 0

ActionURL-OpenAlwaysForward(P3713) = 0

ActionURL-CloseAlwaysForward(P3714) = 0

ActionURL-OpenBusyForward(P3715) = 0

ActionURL-CloseBusyForward(P3716) = 0

ActionURL-OpenNoAnswerForward(P3717) = 0

ActionURL-CloseNoAnswerForward(P3718) = 0

ActionURL-TransferCall(P3719) = 0

ActionURL-BlindTransfercall(P3720) = 0

ActionURL-AttendedTransferCall(P3721) = 0

ActionURL-Hold(P3722) = 0

ActionURL-Unhold(P3723) = 0

ActionURL-Mute(P3724) = 0

ActionURL-Unmute(P3725) = 0

ActionURL-MissedCall(P3726) = 0

ActionURL-IdleToBusy(P3727) = 0

ActionURL-BusyToIdle(P3728) = 0

ActionURL-ForwardIncomingCall(P3729) = 0

ActionURL-RejectIncomingCall(P3730) = 0

ActionURL-AnswerNewIncomingCall(P3731) = 0

ActionURL-TransferFinished(P3732) = 0

ActionURL-TransfeFailed(P3733) = 0

###########Web-Setting-SoftKey Layout##########

SoftkeyLayout(P21040) = 0

SoftkeyLayout-CustomSoftkey(P8751) = 11

SoftkeyLayout-CallStates(P21041) = 11

SoftkeyLayout-Select(P21042) = 11

[Web-Directory]

###########Web-Directory-Directory##########

Directory(P21043) = 0

Directory-List(P21044) = 0

Directory-Photo(P21045) = 0

Directory-ImportXML(P21046) = 01

Directory-ExportXML(P21047) = 0

Directory-ImportCSV(P21048) = 01

Directory-ExportCSV(P21049) = 0

###########Web-Directory-Remote Phone Book##########

RemotePhonebook(P21050) = 0

RemotePhonebook-Index1(P4401) = 0
RemotePhonebook-Index2(P4402) = 0
RemotePhonebook-Index3(P4403) = 0
RemotePhonebook-Index4(P4404) = 0
RemotePhonebook-Index5(P4405) = 0

###########Web-Directory-Call History##########
CallHistory(P21051) = 0
CallHistory-List(P21052) = 0
CallHistory-ExportXML(P21053) = 0
CallHistory-ExportCSV(P21054) = 0

###########Web-Directory-LDAP##########
LDAP(P21055) = 0
LDAP-LDAPNameFilter(P5430) = 0
LDAP-LDAPNumberFilter(P5431) = 0
LDAP-ServerAddress(P5432) = 0
LDAP-Port(P5433) = 0
LDAP-Base(P5434) = 0
LDAP-UserName(P5435) = 0
LDAP-Password(P5436) = 0
LDAP-MaxHits(P5437) = 0
LDAP-LDAPDisplayName(P5440) = 0
LDAP-SearchDelay(P5442) = 0
LDAP-Protocol(P5441) = 0
LDAP-LookupForIncomingCall(P5443) = 0
LDAP-SortingResults(P5444) = 0

###########Web-Directory-BroadSoft##########
BroadSoft(P21056) = 0
BroadSoftItem(P8519) = 0
BroadSoft1-DisplayName(P8520) = 0
BroadSoft1-Server(P8521) = 0
BroadSoft1-Port(P8522) = 0
BroadSoft1-User(P8523) = 0
BroadSoft1-Password(P8524) = 0

BroadSoft2-DisplayName(P8530) = 0
BroadSoft2-Server(P8531) = 0
BroadSoft2-Port(P8532) = 0
BroadSoft2-User(P8533) = 0
BroadSoft2-Password(P8534) = 0

BroadSoft3-DisplayName(P8540) = 0

BroadSoft3-Server(P8541) = 0
BroadSoft3-Port(P8542) = 0
BroadSoft3-User(P8543) = 0
BroadSoft3-Password(P8544) = 0

BroadSoft4-DisplayName(P8550) = 0
BroadSoft4-Server(P8551) = 0
BroadSoft4-Port(P8552) = 0
BroadSoft4-User(P8553) = 0
BroadSoft4-Password(P8554) = 0

BroadSoft5-DisplayName(P8560) = 0
BroadSoft5-Server(P8561) = 0
BroadSoft5-Port(P8562) = 0
BroadSoft5-User(P8563) = 0
BroadSoft5-Password(P8564) = 0

BroadSoft6-DisplayName(P8570) = 0
BroadSoft6-Server(P8571) = 0
BroadSoft6-Port(P8572) = 0
BroadSoft6-User(P8573) = 0
BroadSoft6-Password(P8574) = 0

##########Web-Directory-CallLog##########
CallLog(P21057) = 0
CallLogItem(P8579) = 0

CallLog1-DisplayName(P8580) = 0
CallLog1-Server(P8581) = 0
CallLog1-Port(P8582) = 0
CallLog1-User(P8583) = 0
CallLog1-Password(P8584) = 0

CallLog2-DisplayName(P8585) = 0
CallLog2-Server(P8586) = 0
CallLog2-Port(P8587) = 0
CallLog2-User(P8588) = 0
CallLog2-Password(P8589) = 0

CallLog3-DisplayName(P8590) = 0
CallLog3-Server(P8591) = 0
CallLog3-Port(P8592) = 0
CallLog3-User(P8593) = 0
CallLog3-Password(P8594) = 0

##########Web-Directory-MultiCast Paging##########

MultiCastPaging(P21058) = 0

MultiCastPaging-PagingBarge(P20041) = 0

MultiCastPaging-PagingPriorityActive(P20042) = 0

MultiCastPaging-MulticastCodec(P20164) = 0

MultiCastPaging-List(P21059) = 0

[Web-Management]

##########Web-Management-Password##########

Password(P21060) = 0

##########Web-Management-Upgrade##########

Upgrade(P21061) = 0

Upgrade-ImageVersion(P21062) = 0

Upgrade-ResetToFactory(P21063) = 20

Upgrade-ROMFirmwareUpgrade(P21064) = 01

##########Web-Management-Auto Provision##########

AutoProvision(P21065) = 0

AutoProvision-FirmwareUpgrade(P21066) = 01

AutoProvision-PnPActive(P20165) = 01

AutoProvision-UpgradeMode(P212) = 01

AutoProvision-FirmwareServerPath(P192) = 01

AutoProvision-ConfigServerPath(P237) = 01

AutoProvision-AllowDHCPOption(P1145) = 01

AutoProvision-ToOverrideServer(P145) = 01

AutoProvision-AUTOUpgrade(P194) = 01

AutoProvision-CheckForUpgradeEvery(P193) = 01

AutoProvision-HTTP/FTP/HTTPSUserName(P1360) = 01

AutoProvision-HTTP/FTP/HTTPSPassword(P1361) = 01

AutoProvision-Firmware/ConfigFilePrefix(P232) = 01

AutoProvision-Firmware/ConfigFilePostfix(P233) = 01

AutoProvision-UpgradeCheckMode(P238) = 01

AutoProvision-AuthenticateCfgFile(P240) = 01

AutoProvision-SetCommonAESKey(P8631) = 01

AutoProvision-AutoprovisionNow(P21067) = 01

AutoProvision-RingServerPath(P20174) = 01

AutoProvision-LanguageServerURL(P20175) = 01

AutoProvision-hlpresServerURL(P20176) = 01

AutoProvision-exp_resServerURL(P20177) = 01

AutoProvision-VPNServerURL(P20178) = 01

AutoProvision-TrustedCAServerRUL(P20179) = 01

AutoProvision-ServerCAServerURL(P20180) = 01

AutoProvision-ScreensaverServerURL(P20051) = 01
AutoProvision-WallpaperServerURL(P20052) = 01

AutoProvision-ExpServerSetting(P21068) = 01
AutoProvision-SelfasServer(P40001) = 01
AutoProvision-ExpUpgradeServer(P40002) = 01

AutoProvision-PhonebookXMLDownload(P21069) = 01
AutoProvision-PhonebookXMLServerPath(P331) = 01
AutoProvision-PhonebookDownloadInterval(P332) = 01
AutoProvision-RemoveOnDownload(P333) = 01
AutoProvision-PhonebookDownloadEnable(P330) = 01

AutoProvision-SNMPService(P21070) = 01
AutoProvision-SNMPServiceEnable(P8150) = 01
AutoProvision-SNMPGetCommunity(P8151) = 01
AutoProvision-SNMPSetCommunity(P8152) = 01
AutoProvision-SNMPManagerIP1(P8153) = 01
AutoProvision-SNMPManagerIP2(P8154) = 01
AutoProvision-SNMPManagerIP3(P8155) = 01
AutoProvision-SNMPManagerIP4(P8156) = 01

##########Web-Management-Configuration##########
Configuration(P21071) = 0

Configuration-ConfigureFile(P21072) = 01
Configuration-DownloadXmlFile(P21073) = 0
Configuration-RestoreXmlConfiguration(P21074) = 01
Configuration-DownloadBinFile(P21075) = 0
Configuration-RestoreBinConfiguration(P21076) = 01

Configuration-RestoreLicense(P21079) = 01

Configuration-SystemLog(P21077) = 0
Configuration-DownloadSystemLog(P21078) = 0
Configuration-SyslogServer(P207) = 0
Configuration-SyslogLevel(P208) = 0

##########Web-Management-Trusted CA##########
TrustedCA(P21080) = 0
TrustedCA-List(P21081) = 01
TrustedCA-ImportTrustedCertificateFiles(P21082) = 01
TrustedCA-TrustedCertificate(P20156) = 01

```
##########Web-Management-Server CA##########
ServerCA(P21083) = 0
ServerCA-List(P21084) = 01
ServerCA-ImportServerCertificateFiles(P21085) = 01
ServerCA-DeviceCertificates(P20155) = 01


##########Web-Management-Tools##########
Tools(P21086) = 0
Tools-PcapFeature(P21087) = 0
Tools-LcdScreen(P21088) = 0


##########Web-Management-Restart##########
Restart(P21089) = 0


##########Web-Management-Reboot##########
Restart(P21090) = 0
```

Configuration parameters of LCD interface

```
[ Lcd-Menu ]
Menu-Status(P21091) = 0
Menu-Features(P21092) = 0
Menu-Directory(P21093) = 0
Menu-History(P21094) = 0
Menu-Messages(P21095) = 0
Menu-Setting(P21096) = 0
Menu-Display(P21097) = 0
Menu-Others(P21098) = 1

[Lcd-Menu-Status]
Status-Information(P21099) = 0
Status-Network(P21100) = 0
Status-Accounts(P21101) = 0

Status-Information-Model(P21102) = 0
Status-Information-IP(P21103) = 0
Status-Information-MAC(P21104) = 0
Status-Information-FW_IMG(P21105) = 1
Status-Information-FW_BOOT(P21106) = 1
Status-Information-FW_ROM(P21107) = 1
```

Status-Information-DeviceCert(P21108) = 0

Status-Information-Language(P21109) = 0

Status-Information-Warning(P21110) = 2

Status-Information-ExpansionModule(P21111) = 0

Status-Network-WANType(P21112) = 0

Status-Network-WANIP(P21113) = 0

Status-Network-WANMask(P21114) = 0

Status-Network-LANType(P21115) = 0

Status-Network-Gateway(P21116) = 0

Status-Network-PriDNS(P21117) = 0

Status-Network-SecDNS(P21118) = 0

Status-Network-MAC(P21119) = 0

Status-Accounts-Account1(P21120) = 0

Status-Accounts-Account2(P21121) = 0

Status-Accounts-Account3(P21122) = 0

Status-Accounts-Account3(P21123) = 0

[Lcd-Menu-Features]

Features-CallForward(P21124) = 0

Features-FunctionKeys(P21125) = 0

Features-KeyasSend(P21126) = 0

Features-HotLine(P21127) = 0

Features-AnonymousCall(P21128) = 0

Features-DNDCode(P21129) = 0

Features-HistorySetting(P21130) = 0

###########Menu-Features-CallForward##########

Features-CallForward-AlwaysForward(P21131) = 0

Features-CallForward-BusyForward(P21132) = 0

Features-CallForward-NoAnswerForward(P21133) = 0

###########Menu-Features-FunctionKeys##########

FunctionKeys-LineKeys(P21134) = 0

FunctionKeys-MemoryKeys(P21135) = 0

[Lcd-Menu-Directory]

Directory-AllContacts(P21136) = 0

Directory-LocalContacts(P21137) = 0

Directory-RemoteContacts(P21138) = 0

Directory-BroadSotfContacts(P21139) = 0

Directory-BlacklistContacts(P21140) = 0

Directory-APContacts(P21141) = 0

[Lcd-Menu-History]

History-LocalHistory(P21142) = 0
History-NetworkCallLog(P21143) = 0

###########Menu-History-LocalHistory##########
LocalHistory-AllCalls(P21144) = 0
LocalHistory-MissedCalls(P21145) = 0
LocalHistory-ReceivedCalls(P21146) = 0
LocalHistory-DialedCalls(P21147) = 0
LocalHistory-ForwardedCalls(P21148) = 0

[Lcd-Menu-Messages]

Messages-VoiceMail(P21149) = 0
Messages-TextMessage(P21150) = 0

###########Menu-Message-VoiceMail##########
VoiceMail-View(P21151) = 0
VoiceMail-Set(P21152) = 0

###########Menu-Message-TextMessage##########
TextMessage-ViewSMS(P21153) = 0
TextMessage-SetSMS(P21154) = 0

[Lcd-Menu-Setting]

Setting-BasicSetting(P21155) = 0
Setting-AdvancedSetting(P21156) = 0

###########Menu-Setting-BasicSetting##########
Basic-Language(P21157) = 0
Basic-TimeDate(P21158) = 0
Basic-TimeDateFormat(P21159) = 0
Basic-DHCPTime(P21160) = 0
Basic-RingTone(P21161) = 0

###########Menu-Setting-BasicSetting-Time&Date##########
TimeDate-SNTPSettings(P21162) = 0
TimeDate-ManualSetting(P21163) = 0

###########Menu-Setting-BasicSetting-Time&Date-SNTPSettings##########
TimeDate-SNTPSettings-TimeZone(P21164) = 0
TimeDate-SNTPSettings-NTPServer1(P21165) = 0
TimeDate-SNTPSettings-NTPServer2(P21166) = 0
TimeDate-SNTPSettings-DaylightSaving(P21167) = 0

```
###########Menu-Setting-BasicSetting-Time&DateFormat###########
TimeDateFormat-Clock(P21168) = 0
TimeDateFormat-DateFormat(P21169) = 0


###########Menu-Setting-AdvancedSetting###########
Advanced-Accounts(P21170) =0
Advanced-Network(P21171) = 0
Advanced-PhoneSetting(P21172) = 0
Advanced-AutoProvision(P21173) = 0


###########Menu-Setting-AdvancedSetting-Network###########
Advanced-Network-WANPort(P21174) = 0
Advanced-Network-PCPort(P21175) = 0
Advanced-Network-QosSet(P21176) = 0
Advanced-Network-WebserverType(P21177) = 0
Advanced-Network-8021x(P21178) = 0
Advanced-Network-VPN(P21179) = 0
Advanced-Network-DHCPVlan(P21180) = 0


###########Menu-Setting-AdvancedSetting-PhoneSetting###########
Advanced-PhoneSetting-Lock(P21181) = 0
Advanced-PhoneSetting-FactoryReset(P21182) = 2
Advanced-PhoneSetting-SetPassword(P21183) = 2

[Lcd-Menu-Display]
Display-DisplayMode(P21184) = 0
Display-Wallpaper(P21185) = 0
Display-ScreenSaver(P21186) = 0
Display-Backlight(P21198) = 0
Display-UserMode(P21187) = 0


###########Menu-Display-ScreenSaver###########
Display-Screensaver-Timeout(P21188) = 0
Display-Screensaver-ScreensaverType(P21189) = 0


[Lcd-Menu-Others]
Others-FactoryFunction(P21190) = 1
Others-SystemRestart(P21191) = 0
Others-DeviceReboot(P21192) = 0
Others-PcapFeature(P21193) = 0
Others-Warning(P21199) = 1


###########Menu-Others-FactoryFunction###########
```

Others-FactoryFunction-AudioLoopback(P21194) = 0
Others-FactoryFunction-DiagnosticMode(P21195) = 0
Others-FactoryFunction-TestKeys(P21196) = 0
Others-FactoryFunction-MenuAutoTest(P21197) = 0