

# N510 XML provisioning parameters

## N510IP Parameter List (Updated 4 Feb 2020)

Parameter Name	Possible Values	WebUI availability	Description
<b>Network - IP Configuration</b>			
BS_IP_Data1. ucB_USE_DH CP	0: No 1: Yes (default)	Yes	<b>WebUI: Settings - IP configuration - IP address type</b>  Enable/disable to obtain address from a DHCP server.
BS_IP_Data1. uIl_IP	IPv4 address in hexadecimal format.  Example: 192.168.2.2-> 0xC0A80202 192(C0)168(A8) 2(02)2(02)	Yes	<b>WebUI:Settings - IP configuration - IP address</b>  Enter an IPv4 address of your basestation. This IP address allows your phone to be reached by other subscribers to your local network (e.g., PC). 192.168.2.2 is the default. The IP address must be from the address block reserved for private use on the router. This is generally in the range 192.168.0.1 - 192.168.255.254 with Subnet mask 255.255.255.0. The subnet mask determines that the first three parts of the IP address must be identical for all subscribers in your LAN. The static IP address must not belong to the address block (IP pool range) that is reserved for the router's DHCP server. It must also not be used by another device on the router. If necessary, check the settings on the router.
BS_IP_Data1. uIl_SUBNET_ MASK	IPv4 address in hexadecimal format.  Example: 255.255.255.0-> 0xFFFFFFFF00 255(FF)255(FF) 255(FF)0(00)	Yes	<b>WebUI:Settings - IP configuration - Subnet mask</b>  For addresses from the address block from 192.168.0.1 to 192.168.255.254, the subnet mask 255.255.255.0 is generally used. This is the default setting.
BS_IP_Data1. uIl_DEFAULT_ ROUTER	IPv4 address in hexadecimal format.  Example: 192.168.2.1-> 0xC0A80201 192(C0)168(A8) 2(02)1(01)	Yes	<b>WebUI:Settings - IP configuration - Default gateway</b>  This is generally the local (private) IP address for your router (e.g., 192.168.2.1). Your phone requires this information to be able to access the Internet. 192.168.2.1 is the default setting. Required is hexadecimal format 0xC0A80201.
BS_IP_Data1. uIl_DNS_SER VER_1	IPv4 address in hexadecimal format.  Example: 192.168.2.253-> 0xC0A802FD 192(C0)168(A8) 2(02)253(FD)	Yes	<b>WebUI:Settings - IP configuration - Preferred DNS server</b>  The DNS server is required to convert the DNS name into the IP address when a connection is being established to a server.
BS_IP_Data1. uIl_DNS_SER VER_2	IPv4 address in hexadecimal format.  Example: 192.168.2.1-> 0xC0A802FE 192(C0)168(A8) 2(02)254(FE)	Yes	<b>WebUI:Settings - IP configuration - Alternate DNS server</b>  Alternate DNS server should be used in situations where the preferred DNS server cannot be reached.
BS_IP_Data3. aucS_STUN_S ERVER_SHC	string	No	When you set this to empty "" then no STUN requests will be send outside.
BS_IP_Data1. ucB_ACCEP T_FOREIGN_S UBNET	0: No (default) 1: Yes	Yes	<b>WebUI:Settings - IP configuration - Allow access from other networks</b>  Select 'Yes' to authorise access from other networks. To disable remote access, select 'No' - access is then limited to PCs in your own local network.
BS_IP_Data3. aucS_NETWO RK_DEVICEN AME	string max.20 chars [0-9,a-z, A-Z,-]	Yes	<b>WebUI:Settings - IP configuration - Device Name in the Network</b>  Device Name in the Network field - maximum 20 characters (0-9,a-z,A-Z,-). The phone can be addressed with this name within the local network.
BS_IP_Data3. ucB_HTTP_P ROXY_ENABL ED	0: No (default) 1: Yes	Yes	<b>WebUI:Settings - IP configuration - Enable proxy</b>  Select 'Yes' if your phone is to handle HTTP calls via your network's HTTP proxy server. If you select 'No', the phone will attempt to access the Internet directly.

BS_IP_Data3. aucS_HTTP_P ROXY_URL	string max.74 chars [0-9,a-z, A-Z,-]	Yes	<b>WebUI:Settings - IP configuration - Proxy server address</b>  Enter the URL of the proxy server to which your phone is to send HTTP calls. The proxy server then creates the connection to the Internet.
BS_IP_Data3. uiI_HTTP_PR OXY_PORT	integer: 1- 55000	Yes	<b>WebUI:Settings - IP configuration - Proxy server port</b>  Enter the communication port used on the HTTP proxy server (number between 1 and 55000). It is mainly port 80 that is used.
BS_IP_Data1. ucB_VLAN_E NABLED	0: No 1: Yes	Yes	<b>WebUI:Settings - IP configuration - Use VLAN Tagging</b>  Enable/disable VLAN tagging.
BS_IP_Data1. uiI_VLAN_ID	integer:0-4094	Yes	<b>WebUI:Settings - IP configuration - VLAN Priority</b>  Enter the VLAN Identifier. Numbers ranging from 0 to 4094 (12-bit values) are permitted.
BS_IP_Data1. ucl_VLAN_PRI ORITY	integer:0-7	Yes	<b>WebUI:Settings - IP configuration - VLAN Identifier</b>  Enter the VLAN Priority. Numbers ranging from 0 to 7 (3-bit values) are permitted.
<b>Network - Security</b>			
BS_IP_Data1. ucB_AUTO_A CCEPT_CERT IFICATES	0: No 1: Yes	Yes	<b>WebUI:Settings - Security - Accept trusted certificates only</b>  If it's set to 1 then SSL certificates are automatically accepted
S_PROV_USE RNAME	string max.50 chars	Yes	<b>WebUI:Settings - Security - HTTP digest username</b>  Value will be stored in: BS_IP_Data.aucS_HTTP_DIGEST_USERNAME
S_PROV_PAS SWORD	string max 50 chars	Yes	<b>WebUI:Settings - Security - HTTP digest password</b>  Value will be stored in: BS_IP_Data.aucS_HTTP_DIGEST_PASSWORD
<b>Telephony - Connections</b>			
BS_IP_Data1. ucB_SIP_ACC OUNT_IS_AC TIVE_N (N=1- 6)	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Connections - Active(checkmark)</b>
BS_WebUi. bitfld. bHasPBXMen uHidden	0: Visible 1: Hidden	Yes	<b>WebUI:Settings - Telephony - Connections - Automatic check for profile updates</b>  Option to show / hide the parameter in the web-interface
BS_Accounts. astAccounts [N]. aucAccountNa me (N=0-5)	string max. 14 chars	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Connection Name or Number</b>  Enter a name for the IP account. The default is:  .astAccounts0->IP1  .astAccounts1->IP2  .astAccounts5->IP6
BS_WebUi. bitfld. bHasConfAssi stantHidden	0: Visible 1: Hidden	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Start Configuration Assistant</b>  Option to show / hide the parameter in the web-interface
BS_IP_Data3. aucS_SIP_LO GIN_ID_N (N=2-6)	string max. 32 chars	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Authentication name</b>  Specify the authentication name agreed with your VoIP provider. The authentication name acts as access ID when registering with the SIP proxy/registrar server.  Account1: BS_IP_Data3.aucS_SIP_LOGIN_ID  Account2: BS_IP_Data3.aucS_SIP_LOGIN_ID_2  Account6: BS_IP_Data3.aucS_SIP_LOGIN_ID_6
BS_IP_Data1. aucS_SIP_PA SSWORD_N (N=2-6)	string max. 32 chars	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Authentication password</b>  Enter the password that you have agreed with your VoIP provider. The phone needs the password when registering with the SIP proxy/registrar server.  Account1: BS_IP_Data1.aucS_SIP_PASSWORD  Account2: BS_IP_Data1.aucS_SIP_PASSWORD_2  Account6: BS_IP_Data1.aucS_SIP_PASSWORD_6

BS_IP_Data1. aucS_SIP_US ER_ID_N (N=2-6)	string max. 32 chars	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Username</b>  Enter the caller ID for your VoIP provider account (maximum 32 characters). The ID is usually identical to the phone number for this VoIP account.  Account1: BS_IP_Data1.aucS_SIP_USER_ID  Account2: BS_IP_Data1.aucS_SIP_USER_ID_2  Account6: BS_IP_Data1.aucS_SIP_USER_ID_6
BS_IP_Data1. aucS_SIP_DIS PLAYNAME_N (N=2-6)	string max. 32 chars	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Display name</b>  Enter any name that should be shown on the other caller's display when you call them. All characters in the UTF8 character set (Unicode) are permitted.  Account1: BS_IP_Data1.aucS_SIP_DISPLAYNAME  Account2: BS_IP_Data1.aucS_SIP_DISPLAYNAME_2  Account6: BS_IP_Data1.aucS_SIP_DISPLAYNAME_6
BS_IP_Data1. ucB_SIP_USE _LOOKUP_N (N=2-6)	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - DNS SRV Lookup</b>
BS_IP_Data1. ucB_SIP_USE _LOOKUP.. attr=0x0			Option to show/hide the above option in the web-interface
BS_IP_Data1. aucS_SIP_DO MAIN_N (N=2- 6)	string max.74 chars [0-9,a-z, A-Z,-,.,_] ]	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Domain</b>  Specify the last part of your SIP address (URI) here. Example: For the SIP address ' <a href="#">987654321@provider.com</a> ', enter ' <a href="#">provider.com</a> ' under Domain.  Account1: BS_IP_Data1.aucS_SIP_DOMAIN  Account2: BS_IP_Data1.aucS_SIP_DOMAIN_2  Account6: BS_IP_Data1.aucS_SIP_DOMAIN_6
BS_IP_Data1. aucS_SIP_SE RVER_N (N=2-6)	string max.74 chars [0-9,a-z, A-Z,-,.,_] ]	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Proxy server address</b>  The SIP proxy is your VoIP provider's gateway server. Enter the IP address or the (fully qualified) DNS name of your SIP proxy server. Example: <a href="#">myprovider.com</a> .  Account1: BS_IP_Data1.aucS_SIP_SERVER  Account2: BS_IP_Data1.aucS_SIP_SERVER_2  Account6: BS_IP_Data1.aucS_SIP_SERVER_6
BS_IP_Data1. uil_SIP_SERV ER_PORT_N (N=2-6)	integer: 1- 65535	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Proxy server port</b>  Enter the number of the communication port that the SIP proxy uses to send and receive signalling data (SIP port).  Port 5060 is used by most VoIP providers.  Account1: BS_IP_Data1.uil_SIP_SERVER_PORT  Account2: BS_IP_Data1.uil_SIP_SERVER_PORT_2  Account6: BS_IP_Data1.uil_SIP_SERVER_PORT_6
BS_IP_Data1. aucS_SIP_RE GISTRAR_N (N=2-6)	string max.74 chars [0-9,a-z, A-Z,-,.,_] ]	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Registration server</b>  Enter the (fully qualified) DNS name or the IP address of the registrar server. The registrar is needed when the phone is registered. It assigns the public IP address/port number that was used by the phone on registration to your SIP address (Username@Domain). With most VoIP providers, the registrar server is identical to the SIP server. Example: <a href="#">reg.myprovider.com</a> .  Account1: BS_IP_Data1.aucS_SIP_REGISTRAR  Account2: BS_IP_Data1.aucS_SIP_REGISTRAR_2  Account6: BS_IP_Data1.aucS_SIP_REGISTRAR_6

BS_IP_Data1. uil_SIP_REGI STRAR_PORT _N (N=2-6)	integer: 1- 65535	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Registration server port</b>  Enter the communication port used on the registrar. Port 5060 is used in most cases.  Account1: BS_IP_Data1.uil_SIP_REGISTRAR_PORT  Account2: BS_IP_Data1.uil_SIP_REGISTRAR_PORT_2  Account6: BS_IP_Data1.uil_SIP_REGISTRAR_PORT_6
BS_IP_Data1. uil_RE_REGIS TRATION_TIM ER_N (N=2-6)	integer: 0-999 (seconds)	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Registration refresh time</b>  Enter the time intervals (in seconds) at which the phone should repeat the registration with the VoIP server (SIP proxy) (a request will be sent to establish a session). The registration is repeated so that the phone's entry in the SIP proxy tables is retained and the phone can therefore be reached. The registration will be repeated for all enabled VoIP connections. The default is 180 seconds. If you enter 0 seconds, the registration will not be repeated periodically.  Account1: BS_IP_Data1.uil_RE_REGISTRATION_TIMER  Account2: BS_IP_Data1.uil_RE_REGISTRATION_TIMER_2  Account6: BS_IP_Data1.uil_RE_REGISTRATION_TIMER_6
BS_IP_Data1. ucB_SIP_USE _STUN_N (N=2-6)	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - STUN enabled</b>  Select 'Yes' if you want your phone to use STUN. STUN can only be used if your router uses an asymmetric NAT and a non-blocking firewall.  Account1: BS_IP_Data1.ucB_SIP_USE_STUN  Account2: BS_IP_Data1.ucB_SIP_USE_STUN_2  Account6: BS_IP_Data1.ucB_SIP_USE_STUN_6
BS_IP_Data1. aucS_STUN_S ERVER_N (N=2-6)	string max.74 chars [0-9,a-z, A-Z,.,-]	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - STUN server address</b>  Enter the (fully qualified) DNS name or the IP address of the STUN server on the Internet (maximum 74 characters, 0-9,a-z,A-Z,.,-). The phone can determine its public address via the STUN. The phone needs this address in order to receive caller voice data.  Account1: BS_IP_Data1.aucS_STUN_SERVER  Account2: BS_IP_Data1.aucS_STUN_SERVER_2  Account6: BS_IP_Data1.aucS_STUN_SERVER_6
BS_IP_Data1. uil_STUN_SE RVER_PORT_ N (N=2-6)	integer: 1- 65535	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - STUN server port</b>  Enter the number of the communication port on the STUN server. The default port is 3478.  Account1: BS_IP_Data1.uil_STUN_SERVER_PORT  Account2: BS_IP_Data1.uil_STUN_SERVER_PORT_2  Account6: BS_IP_Data1.uil_STUN_SERVER_PORT_6
BS_IP_Data1. uil_RE_STUN _TIMER_N (N=2-6)	integer: 0-999 (seconds)	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - STUN refresh time</b>  Enter the time intervals at which the phone should repeat the registration with the STUN server. The registration must be repeated so that the entry of the phone in the STUN server tables is retained. The registration will be repeated for all enabled VoIP connections. The default is 240 seconds. If you enter 0 seconds, the registration will not be repeated periodically.  Account1: BS_IP_Data1.uil_RE_STUN_TIMER  Account2: BS_IP_Data1.uil_RE_STUN_TIMER_2  Account6: BS_IP_Data1.uil_RE_STUN_TIMER_6
BS_IP_Data1. uil_NAT_REF RESH_TIME_ N (N=2-6)	integer: 0-999 (seconds)	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - NAT refresh time</b>  Specify the intervals at which you want the phone to update its entry in the NAT routing table. Specify an interval in seconds that is a little shorter than the NAT session timeout.  Account1: BS_IP_Data1.uil_NAT_REFRESH_TIME  Account2: BS_IP_Data1.uil_NAT_REFRESH_TIME_2  Account6: BS_IP_Data1.uil_NAT_REFRESH_TIME_6

BS_IP_Data1. ucl_OUTBOUND_PROXY_MODE_N (N=2-6)	integer: 0=always 1=automatic 2=never	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Outbound proxy mode</b>  Specify when the outbound proxy should be used. Always, all signalling and voice data sent by the phone is sent to the outbound proxy. Automatic, data sent by the phone is only sent to the outbound proxy when the phone is connected to a router with symmetric NAT or a blocking firewall. If the phone is behind an asymmetric NAT, the STUN server is used. Never, the outbound proxy is not used.  Account1: BS_IP_Data1.ucl_OUTBOUND_PROXY_MODE  Account2: BS_IP_Data1.ucl_OUTBOUND_PROXY_MODE_2  Account6: BS_IP_Data1.ucl_OUTBOUND_PROXY_MODE_6
BS_IP_Data1. aucS_OUTBOUND_PROXY_N (N=2-6)	string max.74 chars [0-9,a-z, A-Z,.,,_,_] ]	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Outbound server address</b>  Enter the (fully qualified) DNS name or the IP address of your provider's outbound proxy.  Account1: BS_IP_Data1.aucS_OUTBOUND_PROXY  Account2: BS_IP_Data1.aucS_OUTBOUND_PROXY_2  Account6: BS_IP_Data1.aucS_OUTBOUND_PROXY_6
BS_IP_Data1. uil_OUTBOUND_PROXY_PORT_N (N=1-6)	integer: 1- 65535	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Outbound proxy port</b>  Enter the number of the communication port used by the outbound proxy. The default port is 5060.  Account1: BS_IP_Data1.uil_OUTBOUND_PROXY_PORT  Account2: BS_IP_Data1.uil_OUTBOUND_PROXY_PORT_2  Account6: BS_IP_Data1.uil_OUTBOUND_PROXY_PORT_6
BS_IP_Data1. ucl_SIP_PREFERRED_TRANSPORT_LAYER_N (N=2-6)	integer: 0=automatic 6=TCP only 17=UDP only	Yes	<b>WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Select Network Protocol</b>  The SIP server normally communicates via UDP (User Datagram Protocol). UDP does not guarantee reliable transmission, i.e. the SIP server does not check whether messages have been successfully transferred. If you need reliable transmission, you can also use TCP (Transmission Control Protocol). Automatic - the protocol is defined automatically. UDP only - communication occurs exclusively via UDP. TCP only - communication occurs exclusively via TCP.  Usage:  Account1: BS_IP_Data1.ucl_SIP_PREFERRED_TRANSPORT_LAYER  Account2: BS_IP_Data1.ucl_SIP_PREFERRED_TRANSPORT_LAYER_2  Account6: BS_IP_Data1.ucl_SIP_PREFERRED_TRANSPORT_LAYER_6
<b>Telephony - Audio</b>			
BS_IP_Data1. ucB_ONLY_ONE_ACTIVE_VOIP_CALL	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Audio - Allow 1 VoIP call only</b>  You can usually make two VoIP calls at the same time on your phone. If, however, your DSL connection only has a low bandwidth, there may be problems if multiple VoIP calls are made at the same time. The data is no longer transmitted properly (long voice delay, data losses etc.). Select 'Yes' after Allow 1 VoIP call only to prevent any further parallel VoIP phone connections being established.
BS_IP_Data1. ucl_CODEC_PREFERENCES	integer:  0=Own Codec preference  1=Optimized for high bandwidth  2=Optimized for low bandwidth	Yes	<b>WebUI:Settings - Telephony - Audio - Voice Quality</b>  Default settings for the codecs are stored in your phone: one setting optimised for low bandwidths and one for high bandwidths. Enable either 'Optimized for low bandwidth' or 'Optimized for high bandwidth' if you wish to apply a default setting for all VoIP connections. The settings are shown in the Settings for individual VoIP connections area and cannot be changed. Enable the 'Own Codec preference' option if you wish to select and set connection-specific voice codecs yourself.
BS_IP_Data1. ucl_LOUDNESS_N (N=1-6)	integer:  0=Normal  1=High  255=Low	Yes	<b>WebUI:Settings - Telephony - Audio - Advanced Settings - Volume for this VoIP account</b>  Specify whether the incoming volume range is too high or too low. The following options are available: Low, handsfree/earpiece volume is too high. Enable this option to reduce the volume by 6 dB. Normal, the handsfree/earpiece volume does not need to be raised/lowered. High, handsfree/earpiece volume is too low. Enable this option to increase the volume by 6 dB.

BS_IP_Data1. ucl_SIP_AVAI LABLE_VOCO DER	Comma separated list of 5 elements:  0=PCMA G. 711 u law  1=PCMA G. 711 a law  2=G726  3=G729  5=G722  255=none	Yes	<b>WebUI:Settings - Telephony - Audio - Advanced Settings - Available codecs</b>  In the Available codecs lists, you can define your own codec preference tailored to your DSL connection. Select the voice codecs your phone is to use, and specify the order in which the codecs are to be suggested when a VoIP connection is established. Examples: G.711ulaw: '0,255,255,255,255' G.711ulaw,G.711alaw: '0,1,255,255,255' G.711ulaw,G.711alaw,G.726: '0,1,2,255,255' G.711ulaw,G.711alaw,G.726,G.729: '0,1,2,3,255' G.711ulaw,G.711alaw,G.726,G.729,G.722: '0,1,2,3,5'
BS_IP_Data1. ucl_SIP_PREF ERRED_VOC ODER	Comma separated list of 5 elements:  0=PCMA G. 711 u law  1=PCMA G. 711 a law  2=G726 3=G729  5=G722  255=none	Yes	<b>WebUI:Settings - Telephony - Audio - Advanced Settings - Selected codecs</b>  In the Selected codecs lists, you can define your own codec preference tailored to your DSL connection. Select the voice codecs your phone is to use, and specify the order in which the codecs are to be suggested when a VoIP connection is established. Examples: G.711ulaw: '0,255,255,255,255' G.711ulaw,G.711alaw: '0,1,255,255,255' G.711ulaw,G.711alaw,G.726: '0,1,2,255,255' G.711ulaw,G.711alaw,G.726,G.729: '0,1,2,3,255' G.711ulaw,G.711alaw,G.726,G.729,G.722: '0,1,2,3,5'
BS_SC_DspG ain. bG729VadEna ble	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Audio - Advanced Settings - Enable Annex B for codec G.729</b>  In the Enable Annex B for codec G.729 field, state whether the transmission of data packets during pauses should be suppressed when using the G.729 codec.
<b>Telephony - Number Assignment</b>			
BS_AE_Subsc riber.stMtDat [N]. aucTlnName (N=0-5)	max.10 characters	Yes	<b>WebUI:Settings - Telephony - Number Assignment - Handsets Name</b>  You can change the internal name for a handset. The default name for each handset INT 1 to INT 6.
BS_Accounts. uiVariableSen dAccMask		Yes	<b>WebUI:Settings - Telephony - Number Assignment - Select line for each outgoing call</b>
BS_Accounts. astAccounts [N]. uiSendMask (N=0-5)	0x00 - 0x20	Yes	> Connections: - astAccounts[0] = IP1 - astAccounts[1] = IP2 - astAccounts[2] = IP3 - astAccounts[3] = IP4 - astAccounts[4] = IP5 - astAccounts[5] = IP6 - astAccounts[6] = <a href="http://Gigaset.net">Gigaset.net</a> - astAccounts[7] = PSTN  > Values: - (0000 0000) "0x00" = no HS - (0000 0001) "0x01" = HS1 - (0000 0010) "0x02" = HS2 - (0000 0100) "0x04" = HS3 - (0000 1000) "0x08" = HS4 - (0001 0000) "0x10" = HS5 - (0010 0000) "0x20" = HS6

BS_Accounts. astAccounts [N]. uiReceiveMask (N=0-5)	0x00 - 0x3f	Yes	<p>&gt; Connections:</p> <ul style="list-style-type: none"> <li>- astAccounts[0] = IP1</li> <li>- astAccounts[1] = IP2</li> <li>- astAccounts[2] = IP3</li> <li>- astAccounts[3] = IP4</li> <li>- astAccounts[4] = IP5</li> <li>- astAccounts[5] = IP6</li> </ul> <p>&gt; Values:</p> <ul style="list-style-type: none"> <li>- (0000 0000) "0x00" = no HS</li> <li>- (0000 0001) "0x01" = HS1</li> <li>- (0000 0010) "0x02" = HS2</li> <li>- (0000 0100) "0x04" = HS3</li> <li>- (0000 1000) "0x08" = HS4</li> <li>- (0001 0000) "0x10" = HS5</li> <li>- (0010 0000) "0x20" = HS6</li> <li>- (0011 1111) "0x3F" = all HS</li> </ul> <p>"Logical OR" combinations of these values represents a group of handsets.</p>
BS_Accounts. astAccounts [N].ucState (N=0-5)	0=No 1=Yes	No	Value "1" will prevent of losing settings of BS_Accounts.astAccounts[*].uiReceiveMask, when new HS is registered.
BS_IP_Data1. ucB_CALL_M ANAGER_SU PPORT_N (N=1-6)	0=No 1=Via handsfree 2=Via headset	Yes	<p><b>WebUI:Settings - Telephony - Number Assignment - Call Manager - Enable Call Manager</b></p> <p>Select 'No' to disable the Call Manager for the corresponding connection. Select either 'via headset' or 'via handsfree' to enable the Call Manager for the corresponding connection via a headset or via a handsfree set.</p>
BS_IP_Data1. ucl_CALL_MA NAGER_ASS OCIATED_HA NDSET_N (N=1-6)	integer:  0=INT 1  1=INT 2  2=INT 3  3=INT 4  4=INT 5  5=INT 6	Yes	<p><b>WebUI:Settings - Telephony - Number Assignment - Call Manager - Handset</b></p> <p>Select the associated handset.</p>
BS_WebUi. bitfld. bHasCallMana gerHidden	0: Visible 1: Hidden	Yes	<p><b>WebUI:Settings - Telephony - Number Assignment - Call manager</b></p> <p>Option to show / hide the parameter in the web-interface</p>
<b>Telephony - Call Divert</b>			
BS_IP_Data1. ucB_VOIP_CA LLFORWARDI NG_STATUS_ N (N=1-6)	0: No 1: Yes	No	You can enable/disable call divert for particular connection. When set to 'Yes' then settings from 'When' and 'Number' are taken into account.
BS_IP_Data1. ucl_VOIP_CA LLFORWARDI NG_WHEN_N (N=1-6)	integer: 0=Always 1=When busy 2=On no reply 3=Off	Yes	<p><b>WebUI:Settings - Telephony - Call Divert - When</b></p> <p>Select when an incoming call to the connection should be forwarded: 'When busy', calls are forwarded when the connection is busy. 'On no reply', calls are forwarded if no one accepts the call within several rings. 'Always', calls are forwarded immediately, i.e., no more calls to this connection are signalled on your base station. 'Off', disable call forwarding</p>
BS_IP_Data1. aucS_VOIP_C ALLFORWAR DING_NUMBE R_N (N=1-6)	string max.20 chars [0-9,*,#, R,P]	Yes	<p><b>WebUI:Settings - Telephony - Call Divert - Call Number</b></p> <p>Enter the number to which the calls should be forwarded (maximum 20 characters, 0-9, *, #, R (flash), P (pause))</p>
<b>Telephony - Dialling Plans</b>			
BS_CUSTOM_ Dialing. stDialingPlan. PlanRules[N]. bit.blsActive (N=0-29)	0: No 1: Yes	Yes	<p><b>WebUI:Settings - Telephony - Dialling Plans - Active(checkmark)</b></p> <p>Select the Yes/No to enable/disable the corresponding dialling plan. A disabled dialling plan will not take effect until it is re-enabled.</p>
BS_CUSTOM_ Dialing. stDialingPlan. PlanRules[N]. aucNumber (N=0-29)	string max.15 chars [0-9,*,#, R,P]	Yes	<p><b>WebUI:Settings - Telephony - Dialling Plans - Phone Number</b></p> <p>Enter a phone number for which the dialling plan is to be used (maximum 15 characters, 0-9,*,#,R,P). For each rule, the number must be distinct. If you enter just a few digits (e.g., local area, international or mobile network code), then the rule applies to all phone numbers that begin with these digits.</p>

BS_CUSTOM_Dialing. stDialingPlan. PlanRules[N]. bit. bPrependLocal AreaCode (N=0-29)	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Dialling Plans - Use Area Code(checkmark)</b>  Select the option in the Use Area Code column to precede the corresponding number with the local area code that you have specified under Local Settings.
BS_CUSTOM_Dialing. stDialingPlan. PlanRules[N]. ucRule (N=0-29)	integer: 0=IP1 1=IP2 2=IP3 3=IP4 4=IP5 5=IP6 255=Blocked	Yes	<b>WebUI:Settings - Telephony - Dialling Plans - Connection</b>  Select the connection via which the number or numbers that start with the specified sequence of digits should be dialled. The list shows all the connections that you have configured for the phone. Select Block from the list if you want to block the number or numbers.
BS_CUSTOM_Dialing. stDialingPlan. PlanRules[N]. aucComment (N=0-29)	string max.20 chars	Yes	<b>WebUI:Settings - Telephony - Dialling Plans - Comment</b>  You can enter a description of the dialling plan here (maximum 20 characters).
BS_CUSTOM. aucAkzVoip		Yes	<b>WebUI:Settings - Telephony - Dialling Plans - Code for VoIP line</b>  If you connect your base station to a PABX, you may have to enter an access code for external calls (external prefixes e.g., 0). You can save this access code in the base station. These settings apply to all registered handsets.
BS_CUSTOM. ucAkzVoipMode	integer: 0=Do not use 1=Use for call list 2=Use always	Yes	<b>WebUI:Settings - Telephony - Dialling Plans - Code for VoIP line</b> Select from the list when the phone numbers should be prefixed by the access code for VoIP calls. The options are: Use for call lists - The access code prefixes numbers dialled that are selected from a call list, the SMS list or an answering machine list. Use always - The access code prefixes all phone numbers being dialled. Do not use - The access code does not prefix any phone number being dialled.
<b>Telephony - Network Mailboxes</b>			
BS_IP_Data1. aucS_VOIP_N ET_AM_NUM BER_N (N=1-6)		Yes	<b>WebUI:Settings - Telephony - Network Mailboxes - Call Number</b>  VoIP connections: maximum 32 characters and/or digits (0-9,A-Z,a-z,* ,#,R,P,-)
BS_IP_Data1. ucB_VOIP_NE T_AM_ENABL ED_N (N=1-6)		Yes	<b>WebUI:Settings - Telephony - Network Mailboxes - Active(checkmark)</b> You can enable or disable individual network mailboxes
BS_IP_Data1. aucS_VOIP_N ET_AM_NUM BER_N (N=1-6)	string max.32 chars [0-9,A-Z, a-z,* ,#,R,P,-]	Yes	<b>WebUI:Settings - Telephony - Network Mailboxes - Call Number</b>  VoIP connections: maximum 32 characters and/or digits (0-9,A-Z,a-z,* ,#,R,P,-)
BS_IP_Data1. ucB_VOIP_NE T_AM_ENABL ED_N (N=1-6)	0: No 1: Yes	Yes	WebUI:Settings - Telephony - Network Mailboxes - Active(checkmark) You can enable or disable individual network mailboxes
<b>Telephony - Advanced VoIP settings</b>			
BS_IP_Data1. ucB_DTMF_T X_MODE_AUTO	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Automatic negotiation of DTMF transmission</b>  If you select Yes, for each call, the phone attempts to set the appropriate DTMF signalling type for the codec currently being negotiated. If you select No, you can specify the DTMF signalling type explicitly.
BS_IP_Data1. ucl_DTMF_TX _MODE_BITS	integer:  1=Audio  2=RFC 2833  3=Audio+RFC2 833  4=SIP INFO  5=Audio+SIP INFO  6=RFC2833+SI P INFO  7=Audio+RFC2 833+SIP INFO	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Send settings of DTMF transmission</b>  Enable Audio or RFC 2833 if DTMF signals are to be transmitted acoustically (in voice packets). Enable SIP Info if DTMF signals are to be transmitted as code. Note: Automatic negotiation of DTMF transmission needs to be set to 'No'



BS_IP_Data1. ucB_USE_R_ KEY_FOR_CA LL_TRANSFER	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Use the R key to initiate call transfer</b>  with the SIP Refer method if you choose 'Yes', you can connect the two external callers with each other by pressing the R key. Your connections with the parties are terminated.
BS_CUSTOM_ ORG.bit.bEct	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Transfer Call by On-Hook</b>  If you select 'Yes', the external parties are connected when you replace the handset. Your connections with the parties are terminated.
BS_IP_Data1. ucB_CTO_RE FER_TO_AUT OMATIC	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Find target addr. automatically</b>  If you select 'Yes', the base station will automatically attempt to determine the best protocol. If you select 'No', it will use the protocol defined in Derive target address.
BS_IP_Data1. ucB_CTO_RE FER_TO_PRE FERRED_CO NTACT	integer:  0=from the SIP URL  1=from the SIP contact header	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Derive target address</b>  <i>from the SIP URL:</i> recommended when the base station is connected to the Internet via a router with NAT.  <i>from the SIP contact header:</i> recommended for 'closed' networks (internal company and business networks).
BS_IP_Data1. ucB_ATTEND ED_CALL_TR ANS_HOLD_T ARGET	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Hold on transfer target(For attended transfer)</b>  If you select 'For attended transfer', the first call on your phone's VoIP connection must be held until the consultation call is accepted. Only then can the two callers be connected with each other.
BS_IP_Data1. ucB_UNATTE NDED_CALL_ TRANS_HOLD _TARGET	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Hold on transfer target (For unattended transfer)</b>  If you select 'For unattended transfer', the caller must only be placed on hold until you have started the consultation call (dialled the number). You call transfer the call before the second participant registers.
BS_IP_Data1. ucB_USE_RA NDOM_PORT	0: No 1: Yes	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports</b>  Select the 'No' to Use random ports if you want the phone to use the ports specified in the SIP port and RTP port fields. Select the 'Yes' option if you want the phone to use any free ports from defined port number ranges instead of fixed ports for SIP port and RTP port.
BS_IP_Data1. uil_SIP_LOCA L_PORT	integer: 1024- 49152	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports</b>  Enter the lowest port number in the port number range (numbers between 1024 and 49152). The default port number for SIP signalling is 5060.
BS_IP_Data1. uil_SIP_LOCA L_PORT_MAX	integer: 1024- 49153	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports</b>  Enter the highest port number in the port number range (numbers between 1024 and 49152). The default port number for SIP is 5076.
BS_IP_Data1. uil_RTP_LOC AL_PORT	integer: 1024- 55000	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports</b>  Enter the lowest port number (numbers between 1024 and 55000). The default RTP port is 5004.
BS_IP_Data1. uil_RTP_LOC AL_PORT_MAX	integer: 1024- 55000	Yes	<b>WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports</b>  Enter the highest port number (numbers between 1024 and 55000). The default RTP port is 5020.
<b>Messaging - eMail</b>			
BS_Email. astEmailAccou nts[N]. aucDisplayNa me (N=0-5)	string max.32 chars [0-9,a-z, A-Z,..,-]	Yes	<b>WebUI:Settings - Messaging - eMail - Display name</b>  Enter a name for the e-mail account in order to identify it on the handset (maximum 32 characters).If you do not enter anything, the first 32 characters of the account name are displayed.
BS_Email. astEmailAccou nts[N]. aucEmailUser ame (N=0-5)	string max.74 chars [0-9,a-z, A-Z,..,-]	Yes	<b>WebUI:Settings - Messaging - eMail - Authentication Name</b>  Enter your username or e-mail account name as agreed with the Internet provider (maximum 74 characters).
BS_Email. astEmailAccou nts[N]. aucEmailPass word (N=0-5)	string max.32 chars [0-9,a-z, A-Z,..,-]	Yes	<b>WebUI:Settings - Messaging - eMail - Authentication Password</b>  Enter the password agreed with your provider for accessing the POP3/POP3S server (maximum 32 characters; case-sensitive).
BS_Email. astEmailAccou nts[N]. aucEmailServe r (N=0-5)	string max.74 chars [0-9,a-z, A-Z,..,-]	Yes	<b>WebUI:Settings - Messaging - eMail - POP3 Server</b>  Enter the name of the POP3/POP3S server (maximum 74 characters, 0-9,a-z,A-Z,' ','').

BS_Email. astEmailAccounts[N]. uiPOP3Port (N=0-5)	integer: 1-55000	Yes	<b>WebUI:Settings - Messaging - eMail - POP3 Server port</b>  Enter the communication port used on the POP3/POP3S server (number between 1 and 55000; maximum 5 digits). The default setting is port 110.
BS_Email. astEmailAccounts[N]. aucAssignedDevices (N=0-5)	Comma separated list of 6 elements: 0=INT1 1=INT2 2=INT3 3=INT4 4=INT5 5=INT6 255=none	Yes	<b>WebUI:Settings - Messaging - eMail - eMail advice on handset</b>  Select one or multiple handsets, on which the arrival of new e-mails is displayed. Example: INT1:'0,255,255,255,255,255'; INT1+INT2:'0,1,255,255,255,255'.
BS_Email. astEmailAccounts[N]. ucEmailConnectionType (N=0-5)	0: No 1: Yes	Yes	<b>WebUI:Settings - Messaging - eMail - Secure Connection (SSL)</b> Indicate whether the phone should be authenticated with the POP3S server via a secure connection (POP3S via SSL/TLS). Select 'Yes' to enable the encryption. In order to successfully establish a connection to the POP3S server, a server and a client certificate must be saved on the base station.
BS_Email. uiEmailPollingTime	integer:  0=Never  15=Every 15min  30=Every 30min  60=Every 60min  180=Every 3h  360=Every 6h  1440=Once per day	Yes	<b>WebUI:Settings - Messaging - eMail - Display name</b>  Specifying the time interval for the periodical check for new e-mails. Select the time interval from the 'Check for new eMail' list at which your phone should check if new messages have arrived via your POP3/POP3S server. Set '0' to disable the check. Select one of the other values to enable the check for new e-mail messages.
<b>Messaging - MWI Light</b>			
BS_AE_Subscriber.stMWI[N]. bShowMissedCalls (N=0-5)	0: No 1: Yes	Yes	<b>WebUI:Settings - Messaging - MWI Light - Missed calls</b>  For each handset you can individually set on behalf of which type of new messages the LED should flash. The message types are: Missed calls, Missed alarms, eMail, Network Mailboxes.
BS_AE_Subscriber.stMWI[N]. bShowMissedAlarms (N=0-5)	0: No 1: Yes	Yes	<b>WebUI:Settings - Messaging - MWI Light - Missed Alarms</b>  For each handset you can individually set on behalf of which type of new messages the LED should flash. The message types are: Missed calls, Missed alarms, eMail, Network Mailboxes.
BS_AE_Subscriber.stMWI[N]. bShowMissedSMS (N=0-5)	0: No 1: Yes	Yes	<b>WebUI:Settings - Messaging - MWI Light - Missed SMS</b>
BS_AE_Subscriber.stMWI[N]. bShowMissedEmail (N=0-5)	0: No 1: Yes	Yes	<b>WebUI:Settings - Messaging - MWI Light - eMail</b>  For each handset you can individually set on behalf of which type of new messages the LED should flash. The message types are: Missed calls, Missed alarms, eMail, Network Mailboxes.
BS_AE_Subscriber.stMWI[N]. bShowMissedAM=l (N=0-5)	0: No 1: Yes	Yes	<b>WebUI:Settings - Messaging - MWI Light - Answering machine</b>
BS_AE_Subscriber.stMWI[N]. bShowMissedNetAM (N=0-5)	0: No 1: Yes	Yes	<b>WebUI:Settings - Messaging - MWI Light - Network Mailboxes</b>  For each handset you can individually set on behalf of which type of new messages the LED should flash. The message types are: Missed calls, Missed alarms, eMail, Network Mailboxes.
<b>Messaging - Message Notification</b>			
BS_Accounts. astAccounts[N].bitfld. SaveMissedCalls (N=0-5)	0: No 1: Yes	Yes	<b>WebUI:Settings - Messaging - Message Notification - Missed Calls Count</b>  For each handset you can individually enable/disable counting of missed calls.
BS_WebUi. bitfld. bHasEmailMWIHidden	0: Visible 1: Hidden	Yes	<b>WebUI:Settings - Messaging - Message Notification - Email</b>  Option to show / hide Email option in web-interface
<b>Info Services</b>			

Directories - Online Directory			
BS_XML_Netdir. astNetdirProvider[0]. aucProviderName	string max. 20	Yes	<b>WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit</b>  Enter the name of the provider.
BS_XML_Netdir. astNetdirProvider[0]. aucServerURL	string max. 74	Yes	<b>WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit</b>  Enter the IP address or the (fully qualified) DNS name of the server.
BS_XML_Netdir. astNetdirProvider[0]. aucUsername	string max. 30	Yes	<b>WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit</b>  Enter the authentication name agreed with your provider. The authentication name acts as the access ID when registering with the provider of the online directory.
BS_XML_Netdir. astNetdirProvider[0]. aucPassword	string max. 64	Yes	<b>WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit</b>  Enter the password that you have agreed with your provider. The phone needs the password when registering with the provider of the online directory.
BS_XML_Netdir. astNetdirProvider[0]. aucWhitePagesDirName	string max. 20	Yes	<b>WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit</b>  You can differentiate between the telephone directory (white pages) and the business directory (yellow pages). Enter the name for the White Pages and/or Yellow Pages. This is the name under which the directory is displayed on the handsets.
BS_XML_Netdir. astNetdirProvider[0]. aucYellowPagesDirName	string max. 20	Yes	<b>WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit</b>  You can differentiate between the telephone directory (white pages) and the business directory (yellow pages). Enter the name for the White Pages and/or Yellow Pages. This is the name under which the directory is displayed on the handsets.
BS_XML_Netdir. astNetdirProvider[0]. aucPrivatePagesDirName	string max. 20	Yes (hidden page)	<b>Hidden page:</b> <a href="http://IP_address/settings_services_eeprom_provider.html">http://IP_address/settings_services_eeprom_provider.html</a>
BS_XML_Netdir. aucActivatedNetdirs	byte array (defined for 30 directories)	Yes	<b>WebUI:Settings - Directories - Online Directory</b>  Value=directory1,directory2, .. directory30.  0: No; 1: Local; 2: <a href="#">Gigaset.net</a> ; 10: LDAP 20: XML Public; 21: XML Private; 40: Custom White Pages; 41: Custom Yellow Pages; 42: Custom Private; 70: kT Phonebook White Pages; 71: kT Phonebook Yellow Pages; 75: Telefoongids White Pages; 76: Telefoongids Yellow Pages; 80: Telefonkat. White Pages; 81: Telefonkat. Yellow Pages; 85: DGS Navne White Pages; 86: DGS Navne Yellow Pages; 100: <a href="#">[tel.search.ch]</a> White pages; 101: <a href="#">[tel.search.ch]</a> Yellow Pages.
BS_XML_Netdir. aucNetdirSelforAutoLookup	byte array (defined for 6 accounts)	Yes	<b>WebUI:Settings - Directories - Online Directory</b>  Value=account1,account2, .. account6.  0: No; 1: Local; 2: <a href="#">Gigaset.net</a> ; 10: LDAP 20: XML Public; 21: XML Private; 40: Custom White Pages; 41: Custom Yellow Pages; 42: Custom Private; 70: kT Phonebook White Pages; 71: kT Phonebook Yellow Pages; 75: Telefoongids White Pages; 76: Telefoongids Yellow Pages; 80: Telefonkat. White Pages; 81: Telefonkat. Yellow Pages; 85: DGS Navne White Pages; 86: DGS Navne Yellow Pages; 100: <a href="#">[tel.search.ch]</a> White pages; 101: <a href="#">[tel.search.ch]</a> Yellow Pages.
Directories - Corporate Directory			
BS_LDAP_Netdirs. astNetdirProvider[0]. aucDirName	string max. 20 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  User defined name of LDAP directory. Text entered here will be visible in directory list after long press navi key down.

BS_LDAP_Net dirs. astNetdirProvider[0]. NameFilter	string max. 50 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  It is possible to search for entries, which fulfills some criteria like: people with names begin on given letter. Name filter is a place where user can define search criteria.
BS_LDAP_Net dirs. astNetdirProvider[0]. NameAttributes	string max. 50 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  LDAP Name attributes. Use "Attributes" to define requested attributes which are provided by server. Use "Filter" to define search criteria.
BS_LDAP_Net dirs. astNetdirProvider[0]. NumberFilter	string max. 50 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  Similar meaning to Name Filter. Number filter is used in autolookup feature, where base asks LDAP server about entry (or entries) which have telephone number exactly equal to given one. LDAP attributes used here defines which type of telephone numbers we are searching for. Example: ((telephoneNumber=%)(mobile=%)(homePhone=%)), searched number: 11223344, number filter will be processed to: ((telephoneNumber=11223344)(mobile=11223344)(homePhone=11223344))
BS_LDAP_Net dirs. astNetdirProvider[0]. NumberAttributes	string max. 50 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  LDAP Number attributes. Use "Attributes" to define requested attributes which are provided by server. Use "Filter" to define search criteria.
BS_LDAP_Net dirs. astNetdirProvider[0]. aucServerURL	string max. 253 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  Address of LDAP Server. Can be an IP number or domain name e.g. 10.25.62.35, <a href="#">ldap.example.com</a> .
BS_LDAP_Net dirs. astNetdirProvider[0]. uiServerPort	integer: 1- 65535 (default: 389)	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  Port number on which LDAP server listens. Typically 389.
BS_LDAP_Net dirs. astNetdirProvider[0]. aucBaseDN	string max. 50 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  This field is used to store main phone book name. This is the address of the main entry in LDAP phone book form which all searches are made. E.g. cn=PhoneBook,dc=example,dc=com.
BS_LDAP_Net dirs. astNetdirProvider[0]. aucUsername	string max. 50 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  Credentials used in authentication process. User name can be the same as LDAP Search Base.
BS_LDAP_Net dirs. astNetdirProvider[0]. aucPassword	string max. 64 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  Credentials used in authentication process.
BS_LDAP_Net dirs. astNetdirProvider[0]. DisplayName	string max. 50 chars	Yes	<b>WebUI:Settings - Directories - Corporate Directory</b>  LDAP Display Format.
BS_XML_Netdirs. astNetdirProvider[0]. ucAuthPossibilities			Variable BS_XML_Netdirs.astNetdirProvider[%].ucAuthPossibilities=0 4) Meaning of auth possibilities parameter:  0 – is default for public providers – gets variables from ROM (hardcoded array of providers) or eeprom (for user-added provider) 1 – get credentials from eeprom variables: AEIP_ID_S_OTDP_AUTH_NAME and AEIP_ID_S_OTDP_AUTH_PASS 2 – get credentials from above variables, but when variables are empty, get credentials from ROM (hardcoded table). 3 – get credentials from 1st SIP account 4 – get credentials from assigned SIP account (as send account)
BS_XML_Netdirs. bNoLookupBuffering			<b>New in BL 240:</b> value = true = new behavior = no buffering in names request, send query everytime.
<b>Management - Date &amp; Time</b>			
BS_IP_Data1. ucB_TIME_USE_AUTOMATIC_NTP_SYNC	0: No 1: Yes	Yes	<b>WebUI:Settings - Management - Date&amp;Time - Automatic adjustment of System Time with Time Server</b>  In the Automatic adjustment of System Time with Time Server field, select 'Yes' to enable synchronisation between the phone and a time server.If you select 'No', the phone will not adopt time settings from a time server.

BS_IP_Data1. aucS_TIME_N TP_SERVER [0] BS_IP_Data1. aucS_TIME_N TP_SERVER [40]	string max.74 chars [0-9,a-z, A-Z,-,.]	Yes	<b>WebUI:Settings - Management - Date&amp;Time - Time Server</b>  Enter the Internet address or DNS name of the time server from which the time and date settings should be copied (maximum 74 characters, 0-9,a-z,A-Z,-,.). The time server ' <a href="http://europe.pool.ntp.org">europe.pool.ntp.org</a> ' is set by default. You can overwrite this setting.
BS_IP_Data1. uiI_TIME_TIM EZONE	0x00=(GMT-12: 00) International Date Line West 0x01=(GMT-11: 00) Midway Island, Samoa 0x02=(GMT-10: 00) Hawaii 0x03=(GMT-09: 00) Alaska 0x04=(GMT-08: 00) Pacific Time (US and Canada), Tijuana 0x05=(GMT-07: 00) Arizona 0x06=(GMT-07: 00) Chihuahua, La Paz, Mazatlan 0x07=(GMT-07: 00) Mountain Time (US and Canada) 0x08=(GMT-06: 00) Central America 0x09=(GMT-06: 00) Central Time (US and Canada) 0x0a=(GMT-06: 00) Guadalajara, Mexico City, Monterrey 0x0b=(GMT-06: 00) Saskatchewan 0x0c=(GMT-05: 00) Bogota, Lima, Quito 0x0d=(GMT-05: 00) Eastern Time (US and Canada) 0x0e=(GMT-05: 00) Indiana (East); 0x0f= (GMT-04:00) Atlantic Time (Canada) 0x10=(GMT-04: 00) Caracas, La Paz 0x11=(GMT-04: 00) Santiago 0x12=(GMT-03: 30) Newfoundland 0x13=(GMT-03: 00) Brasilia 0x14=(GMT-03: 00) Buenos Aires, Georgetown 0x15=(GMT-03: 00) Greenland 0x16=(GMT-02: 00) Mid-Atlantic 0x17=(GMT-01: 00) Azores 0x18=(GMT-01: 00) Cape Verde Is. 0x19=(GMT00: 00)	Yes	<b>WebUI:Settings - Management - Date amp;Time - Time Zone</b>  A list of the valid time zones is displayed. Each time zone shows the deviation between local time (not summer time) and Greenwich Mean Time (GMT). Select the appropriate Time Zone for the location of the phone from the list.

Casablanca,  
Monrovia  
0x1a=(GMT00:  
00) Greenwich  
Mean Time :  
Dublin,  
Edinburgh,  
Lisbon, London  
0x1b=  
(GMT+01:00)  
Amsterdam,  
Berlin, Bern,  
Rome,  
Stockholm,  
Vienna  
0x1c=  
(GMT+01:00)  
Belgrade,  
Bratislava,  
Budapest,  
Ljubljana,  
Prague  
0x1d=  
(GMT+01:00)  
Brussels,  
Copenhagen,  
Madrid, Paris  
0x1e=  
(GMT+01:00)  
Sarajevo,  
Skopje,  
Warsaw,  
Zagreb  
0x1f=(GMT+01:  
00) West  
Central Africa  
0x20=  
(GMT+02:00)  
Athens, Beirut,  
Istanbul, Minsk  
0x21=  
(GMT+02:00)  
Bucharest  
0x22=  
(GMT+02:00)  
Cairo  
0x23=  
(GMT+02:00)  
Harare, Pretoria  
0x24=  
(GMT+02:00)  
Helsinki, Kyiv,  
Riga, Sofia,  
Tallinn, Vilnius  
0x25=  
(GMT+02:00)  
Jerusalem  
0x26=  
(GMT+03:00)  
Baghdad  
0x27=  
(GMT+03:00)  
Kuwait, Riyadh  
0x28=  
(GMT+03:00)  
Moscow, St.  
Petersburg,  
Volgograd  
0x29=  
(GMT+03:00)  
Nairobi  
0x2a=  
(GMT+03:30)  
Tehran  
0x2b=  
(GMT+04:00)  
Abu Dhabi,  
Muscat  
0x2c=  
(GMT+04:00)  
Baku, Tbilisi,  
Yerevan  
0x2d=  
(GMT+04:30)  
Kabul  
0x2e=  
(GMT+05:00)  
Ekaterinburg

0x2f=(GMT+05:00) Islamabad, Karachi, Tashkent  
0x30=(GMT+05:30) Chennai, Kolkata, Mumbai, New Delhi  
0x31=(GMT+05:45) Kathmandu  
0x32=(GMT+06:00) Almaty, Novosibirsk  
0x33=(GMT+06:00) Astana, Dhaka  
0x34=(GMT+06:00) Sri Jayawardenepura  
0x35=(GMT+06:30) Rangoon  
0x36=(GMT+07:00) Bangkok, Hanoi, Jakarta  
0x37=(GMT+07:00) Krasnoyarsk  
0x38=(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi  
0x39=(GMT+08:00) Irkutsk, Ulaan Bataar  
0x3a=(GMT+08:00) Kuala Lumpur, Singapore  
0x3b=(GMT+08:00) Perth  
0x3c=(GMT+08:00) Taipei  
0x3d=(GMT+09:00) Osaka, Sapporo, Tokyo  
0x3e=(GMT+09:00) Seoul  
0x3f=(GMT+09:00) Yakutsk  
0x40=(GMT+09:30) Adelaide  
0x41=(GMT+09:30) Darwin  
0x42=(GMT+10:00) Brisbane  
0x43=(GMT+10:00) Canberra, Melbourne, Sydney  
0x44=(GMT+10:00) Guam, Port Moresby  
0x45=(GMT+10:00) Hobart  
0x46=(GMT+10:00) Vladivostok

	0x47= (GMT+11:00) Magadan, Solomon Is., New Caledonia 0x48= (GMT+12:00) Auckland, Wellington 0x49= (GMT+12:00) Fiji, Kamchatka, Marshall Is. 0x50= (GMT+13:00) Nuku'alofa;		
BS_IP_Data1. ucB_TIME_US E_AUTOMATI C_DST	0: No 1: Yes	Yes	<b>WebUI:Settings - Management - Date&amp;Time - Automatically adjust clock for daylight saving changes</b>  Select 'Yes' if you want the time to change automatically to summer time or standard time when summer time begins and ends respectively. Select 'No' if you do not want to change to summer time.
<b>Management - Local Settings</b>			
BS_IP_Data1. ucL_DIALING_ PLAN_COUNT RY_ID	integer:  0=Albania; 1=Argentina; 2=Australia; 3=Austria  4=Bahrain; 5=Belarus; 6=Belgium; 7=Bolivia  8=Bosnia and Herzegovina; 9=Brazil; 10=Bulgaria  11=Canada; 12=Chile; 13=China; 14=Colombia  15=Costa Rica; 16=Croatia; 17=Cyprus  18=Czech Republic; 19=Denmark; 20=Ecuador  21=Egypt; 22=Estonia; 23=Finland; 24=France  25=Germany; 26=Greece; 27=Hong Kong  28=Hungary; 29=Iceland; 30=India; 31=Indonesia  82=Iran; 32=Ireland; 33=Israel; 34=Italy; 35=Japan  36=Jordan; 37=Korea, Republic of; 38=Kuwait  39=Latvia; 40=Lebanon; 41=Liechtenstein  42=Lithuania; 43=Luxembour g; 44=Macedonia	Yes	<b>WebUI:Settings - Management - Local Settings - Country</b>  Select the country in which you are using your phone from the list (e. g. Germany). If your country is not included in the country list, select Other Country at the end of the Country list.



	45=Malaysia; 46=Mexico; 81=Montenegro  47=Morocco; 79=Namibia; 48=Netherlands  49=New Zealand; 50=Norway; 51=Pakistan  80=Palestine; 52=Panama; 53=Paraguay  54=Peru; 55=Philippines; 56=Poland; 57=Portugal  58=Puerto=Ric o; 59=Romania; 60=Russia  61=Saudi Arabia; 62=Serbia; 63=Singapore  64=Slovakia; 65=Slovenia; 66=South Africa  67=Spain; 68=Sweden; 69=Switzerland  70=Taiwan; 71=Thailand; 72=Turkey  73=United Arab Emirates; 74=United Kingdom  75=United States of America; 76=Uruguay  77=Venezuela; 78=Other Country; 255=undefined		
BS_CUSTOM_ ORG. aucInternation alPrefix			WebUI:Settings - Management - Local Settings - Area codes International - Prefix
BS_CUSTOM_ ORG. aucCountryCo de			WebUI:Settings - Management - Local Settings - Area codes International - Area code
BS_CUSTOM_ ORG. aucNationalPr efix			WebUI:Settings - Management - Local Settings - Area codes Local - Prefix
BS_CUSTOM. aucLocalArea Code			WebUI:Settings - Management - Local Settings - Area codes Area Local - Area code

BS_AE_SwConfig. ucCountryCodeTone	integer:  0=International  1=United States of America  2=Switzerland  3=South Africa  4=Austria  5=Czech Republic  6=Spain  7=France  8=United Kingdom  9=Netherlands  10=Poland  11=Russia  12=Germany  13=Italy  14 =Denmark  15 =Finland  16 =Norway  17 =Sweden	Yes	Tones, e.g. dialling tones, call tones, busy tones or call waiting tones are country-and region-specific. You can choose from various tone groups for your phone. The Tone Selection is automatically assigned according to the country which you selected above. You can change this setting. Select the country or region from the Tone Selection list which should be used for your phone.
<b>Management - Miscellaneous</b>			
BS_CUSTOM. aucKdsPin	comma separated list: 0x00,0x00 (default)	Yes	<b>WebUI:Management - Miscellaneous - New PIN</b>  The default setting for the PIN is 0000 (0x00,0x00). Enter a new 4-digit system PIN for the base station - four digits from 0 to 9. Example: PIN='1234' please enter '0x12,0x34'
BS_IP_Data1. ucB_SHOW_SECURITY_ADVICE	0: No 1: Yes	No	Disable PIN security advice in WebUI
BS_BROADCAST_INFO. stSetting. bEcoMode	0: No 1: Yes	Yes	<b>WebUI:Management - Miscellaneous - Eco Mode</b>  Eco Mode: Decreases the transmission power and range of base station
BS_CUSTOM_ORG.bit. bNEMoEnable	0: No 1: Yes	Yes	<b>WebUI:Management - Miscellaneous - Eco Mode+</b>  Eco Mode+: Switch off DECT radiation of base station and handset in idle mode
BS_IP_Data3. ucB_SHOW_ETH_TRAFFIC_VIA_LED	0: No 1: Yes	Yes	<b>WebUI:Management - Miscellaneous - Signal Ethernet Connection and Traffic</b>  If LED signalling is enabled on the base station, the paging key on the front panel of the base station lights up if it is connected to the router (LAN). It flashes if data is being transferred on the LAN connection
BS_IP_Data1. ucB_SHOW_VOIP_STATUS_ON_HANDSET	0: No 1: Yes	Yes	<b>WebUI:Management - Miscellaneous - Show VoIP status on handset</b> You can display VoIP status messages on your handset when there are VoIP connection problems. These messages give you information on the status of a connection and contain a provider-specific status code that helps the service team when they are analysing the problem.
<b>Management - Firmware update</b>			
BS_IP_Data1. aucS_DATA_SERVER	string max.74 chars [0-9,a-z, A-Z,...]	Yes	<b>WebUI:Management - Firmware Update - Data server</b>  Address of data server providing the files needed for profile download, firmware download and provisioning.

S_CONFIGFILE_URL	string max.74 chars [0-9,a-z, A-Z,.,-]	Yes	<b>WebUI:Management - Firmware Update - Configuration file (URL)</b>  If this parameter is set device will omit Gigaset file structure and directly download configuration file specified in value.  Example:  <code>&lt;S_CONFIGFILE_URL class="string" value="http://provisioningserver.com/device/42/2/xml/7C2F80A1B2C3.xml"/&gt;</code>  value will be stored in: BS_IP_Data.aucS_CONFIGFILE_URL
BS_IP_Data.aucS_CONFIGFILE_URL.. attr=0x0			Option to hide the above parameter in the web-interface
BS_IP_Data1.ucB_DO_CHECK_FOR_FIRMWARE_UPDATES	0: No 1: Yes	Yes	<b>WebUI:Management - Firmware Update - Automatic check for software updates</b>
S_SPECIAL_DATA_SRV  or  BS_IP_Data1.aucS_SPECIAL_DATA_SRV  See also <a href="#">wiki article</a> .	string max.74 chars [0-9,a-z, A-Z,.,-]	No	Firmware update using S_SPECIAL_DATA_SRV will be performed in the following situations: 1. After reboot Remark: Firmware file will be downloaded if number of attempts of downloading this particular URL is less than a fixed value (currently 1, it can be changed if you want). Number of attempts is only checked in firmware update after reboot. Max allowed number of attempts cannot be changed via provisioning, it is hardcoded in the source code (it can be available for provisioning if you want). This condition is defined and implemented to avoid firmware update => reboot => firmware update loop if firmware file is corrupted. Number of attempts is set back to 0 when S_SPECIAL_DATA_SRV is changed. Number of attempts is incremented each time device tries to download firmware after reboot. 2. After timer Remark: Timer (in minutes) is defined in BS_IP_Data1.uiI_CHECK_FOR_UPDATES_TIMER_INIT. 3. After check-sync Remark: Device will try to do firmware update after downloading config file. 4. Manually from WebUI or from registered HS Remark: S_SPECIAL_DATA_SRV has higher priority so if it is not empty then S_DATA_SERVER and S_USER_FIRMWARE_URL will be ignored.  Example:  <code>&lt;S_SPECIAL_DATA_SRV class="string" value="http://profile.gigaset.net/42/merkur207_42.bin"/&gt;</code>  or  <code>&lt;SYMB_ITEM ID="BS_IP_Data1.aucS_SPECIAL_DATA_SRV[0]" class="symb_item" value="http://profile.gigaset.net/42/merkur207_42.bin"/&gt;</code>
<b>Advanced NVRAM settings</b>			
BS_IP_Data3.ucl_ONESHOT_PROVISIONING_MODE_1	0: No 1: Yes	No	Provisioning after reboot.
BS_IP_Data1.uiI_CHECK_FOR_UPDATES_TIMER_INIT	integer	No	If it's set to 0, the version check will be started at night (between 2 o'clock and 6 o'clock). If the switch is unequal 0, the version check will be started depending by the set value e.g. 600 minutes means every 10 hours.
BS_IP_Data1.ucB_AUTO_UPDATE_PROFILE	0: No 1: Yes	No	Automatic profile update without notification "New profile available" at handset screen
BS_IP_Data1.ucl_DSCP RTP_PRIOR_N (N=1-6)	0xb8	No	DSCP RTP priority per account
BS_IP_Data1.ucl_DSCP SIP_PRIOR_N (N=1-6)	0x88	No	DSCP SIP priority per account
BS_IP_Data3.ucB_IP_DIALING_DISABLE	0: No 1: Yes	No	If FALSE this parameter enable function called Direct SIP. The user is able to establish the connection calling IP address e.g. 192*168*2*100, this call does not use SIP method, therefore SIP accounts do not have to be created.
BS_IP_Data3.ucB_PEER_T_O_PEER_ALLOWED	0: No 1: Yes	No	If this switch is set to 0 at two devices, VoIP accounts are configured at both devices, and the user make a call using IP e.g. 192*168*2*100, incoming SIP INVITE will be rejected. The device in this case accepts incoming INVITE message from configured SIP Proxy or Outbound Proxy servers only.

BS_WebUi. bitfld. bBaseRebootL ocked..attr	0x0200: locked		block Reboot from HS level
BS_WebUi. bitfld. bBaseFactory ResetLocked.. attr	0x0200: locked		block Factory Rest from HS level
BS_IP_Data1. ucB_USE_DH CP_66_IF_114 _NOT_AVAILA BLE	0: No 1: Yes	No	When set to 1. then base station request option 114 like before and in addition request option 66. If server reply for 114 then everything is like before (option 66 will not been read), but if server does not support option 114 and reply for 66 option then base station read from 66 option.
BS_IP_Data3. ucB_SEND_O NLY_WITHOU T_RTP=0x0	0: No 1: Yes		Hold signalling not using "send-only" but "inactive". <a href="#">FAQ N510 - Change hold using "inactive" attribute</a>
<b>Syslog settings</b>			
BS_Syslog. aucServerIPAd dress	string max.15 chars [0-9,.]	Yes (hidden page)	
BS_Syslog. bActivateSyslog	0: No 1: Yes	Yes (hidden page)	
BS_Syslog. uiServerPort	integer: 1- 65535	Yes (hidden page)	
BS_Syslog. uiFacilityMask	0x01 - 0xef	Yes (hidden page)	<ul style="list-style-type: none"> <li>0x01 (0000 0001): System events</li> <li>0x02 (0000 0010): Fault in DECT</li> <li>0x04 (0000 0100): Socket layer</li> <li>0x08 (0000 1000): SIP events</li> <li>0x20 (0010 0000): eMail events</li> <li>0x40 (0100 0000): RAP events</li> <li>0x80 (1000 0000): Lists events</li> </ul> <p>multiple selection, e.g.:</p> <ul style="list-style-type: none"> <li>0x09 (0000 1001): SIP + System</li> <li>0xef (1110 1111): all events</li> </ul>
BS_Syslog. uiSeverityMask	0x7f	Yes (hidden page)	
<b>Broadsoft provisioning</b>			
I_PHONE_SY STEM	0=default setting; 5=Broadsoft	No	Usage of non symbolic:  <I_PHONE_SYSTEM class="integer" value="5"/>  symbolic NVM where custom parameter will be stored: BS_IP_Data.ucl_PHONE_SYSTEM
S_CONFIGFIL E_URL	max. 74 characters	No	Available only when: I_PHONE_SYSTEM=5; symbolic NVM where custom parameter will be stored: BS_IP_Data. aucS_CONFIGFILE_URL
BS_IP_Data1. uil_SIP_ProvTi meout	5 = default	No	If you change this parameter to 0 then SIP multicast provisioning will be disabled.

## Appendix 1: Conversion table for HS assignment

DEC	HEX	BIN							
				HS6	HS5	HS4	HS3	HS2	HS1
1	1	0	0	0	0	0	0	0	1
2	2	0	0	0	0	0	0	1	0
3	3	0	0	0	0	0	0	1	1
4	4	0	0	0	0	0	1	0	0
5	5	0	0	0	0	0	1	0	1
6	6	0	0	0	0	0	1	1	0
7	7	0	0	0	0	0	1	1	1
8	8	0	0	0	0	1	0	0	0
9	9	0	0	0	0	1	0	0	1

10	A	0	0	0	0	1	0	1	0
11	B	0	0	0	0	1	0	1	1
12	C	0	0	0	0	1	1	0	0
13	D	0	0	0	0	1	1	0	1
14	E	0	0	0	0	1	1	1	0
15	F	0	0	0	0	1	1	1	1
16	10	0	0	0	1	0	0	0	0
17	11	0	0	0	1	0	0	0	1
18	12	0	0	0	1	0	0	1	0
19	13	0	0	0	1	0	0	1	1
20	14	0	0	0	1	0	1	0	0
21	15	0	0	0	1	0	1	0	1
22	16	0	0	0	1	0	1	1	0
23	17	0	0	0	1	0	1	1	1
24	18	0	0	0	1	1	0	0	0
25	19	0	0	0	1	1	0	0	1
26	1A	0	0	0	1	1	0	1	0
27	1B	0	0	0	1	1	0	1	1
28	1C	0	0	0	1	1	1	0	0
29	1D	0	0	0	1	1	1	0	1
30	1E	0	0	0	1	1	1	1	0
31	1F	0	0	0	1	1	1	1	1
32	20	0	0	1	0	0	0	0	0
33	21	0	0	1	0	0	0	0	1
34	22	0	0	1	0	0	0	1	0
35	23	0	0	1	0	0	0	1	1
36	24	0	0	1	0	0	1	0	0
37	25	0	0	1	0	0	1	0	1
38	26	0	0	1	0	0	1	1	0
39	27	0	0	1	0	0	1	1	1
40	28	0	0	1	0	1	0	0	0
41	29	0	0	1	0	1	0	0	1
42	2A	0	0	1	0	1	0	1	0
43	2B	0	0	1	0	1	0	1	1
44	2C	0	0	1	0	1	1	0	0
45	2D	0	0	1	0	1	1	0	1
46	2E	0	0	1	0	1	1	1	0
47	2F	0	0	1	0	1	1	1	1
48	30	0	0	1	1	0	0	0	0
49	31	0	0	1	1	0	0	0	1
50	32	0	0	1	1	0	0	1	0
51	33	0	0	1	1	0	0	1	1
52	34	0	0	1	1	0	1	0	0
53	35	0	0	1	1	0	1	0	1
54	36	0	0	1	1	0	1	1	0
55	37	0	0	1	1	0	1	1	1
56	38	0	0	1	1	1	0	0	0
57	39	0	0	1	1	1	0	0	1
58	3A	0	0	1	1	1	0	1	0
59	3B	0	0	1	1	1	0	1	1
60	3C	0	0	1	1	1	1	0	0
61	3D	0	0	1	1	1	1	0	1
62	3E	0	0	1	1	1	1	1	0
63	3F	0	0	1	1	1	1	1	1

## Appendix 2: Lock WebUI pages (..attr)