N510 XML provisioning parameters

N510IP Parameter List (Updated 4 Feb 2020)

Parameter Name	Possible Values	WebUI availability	Description
Network - IP Configuration			
BS_IP_Data1.ucB_USE_DHCP	0: No 1: Yes (default)	Yes	**WebUI: Settings - IP configuration - IP address type** Enable/disable to obtain address from a DHCP server.
BS_IP_Data1.ull_IP	IPv4 address in hexadecimal format. Example: 192.168.2.2-> 0xC0A80202 192(C0)168(A8)2(02)2(02)	Yes	**WebUI:Settings - IP configuration - IP address** 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.ull_SUBNET_MASK	IPv4 address in hexadecimal format. Example: 255.255.255.0-> 0xFFFFFF00 255(FF)255(FF)255(FF)0(00)	Yes	**WebUI:Settings - IP configuration - Subnet mask** 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.ull_DEFAULT_ROUTER	IPv4 address in hexadecimal format. Example: 192.168.2.1-> 0xC0A80201 192(C0)168(A8)2(02)1(01)	Yes	**WebUI:Settings - IP configuration - Default gateway** 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.ull_DNS_SERVER_1	IPv4 address in hexadecimal format. Example: 192.168.2.253-> 0xC0A802FD 192(C0)168(A8)2(02)253(FD)	Yes	**WebUI:Settings - IP configuration - Preferred DNS server** 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.ull_DNS_SERVER_2	IPv4 address in hexadecimal format. Example: 192.168.2.1-> 0xC0A802FE 192(C0)168(A8)2(02)254(FE)	Yes	**WebUI:Settings - IP configuration - Alternate DNS server** Alternate DNS server should be used in situations where the preferred DNS server cannot be reached.
BS_IP_Data3.aucS_STUN_SERVER_SHC	string	No	When you set this to empty "" then no STUN requests will be send outside.
BS_IP_Data1.ucB_ACCEPT_FOREIGN_SUBNET	0: No (default) 1: Yes	Yes	**WebUI:Settings - IP configuration - Allow access from other networks** 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_NETWORK_DEVICENAME	string max.20 chars [0-9,a-z,A-Z,-]	Yes	**WebUI:Settings - IP configuration - Device Name in the Network** 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_PROXY_ENABLED	0: No (default) 1: Yes	Yes	**WebUI:Settings - IP configuration - Enable proxy** 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_PROXY_URL	string max.74 chars [0-9,a-z,A-Z,-]	Yes	**WebUI:Settings - IP configuration - Proxy server address** 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_PROXY_PORT	integer: 1-55000	Yes	**WebUI:Settings - IP configuration - Proxy server port** 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_ENABLED	0: No 1: Yes	Yes	**WebUI:Settings - IP configuration - Use VLAN Tagging** Enable/disable VLAN tagging.
BS_IP_Data1.uiI_VLAN_ID	integer:0-4094	Yes	**WebUI:Settings - IP configuration - VLAN Priority** Enter the VLAN Identifier. Numbers ranging from 0 to 4094 (12-bit values) are permitted.
BS_IP_Data1.ucI_VLAN_PRIORITY	integer:0-7	Yes	**WebUI:Settings - IP configuration - VLAN Identifier** Enter the VLAN Priority. Numbers ranging from 0 to 7 (3-bit values) are permitted.
Network - Security			
BS_IP_Data1.ucB_AUTO_ACCEPT_CERTIFICATES	0: No 1: Yes	Yes	**WebUI:Settings - Security - Accept trusted certificates only** If it's set to 1 then SSL certificates are automatically accepted
S_PROV_USERNAME	string max.50 chars	Yes	**WebUI:Settings - Security - HTTP digest username** Value will be stored in: BS_IP_Data.aucS_HTTP_DIGEST_USERNAME
S_PROV_PASSWORD	string max 50 chars	Yes	**WebUI:Settings - Security - HTTP digest password** Value will be stored in: BS_IP_Data.aucS_HTTP_DIGEST_PASSWORD
Telephony - Connections			
BS_IP_Data1.ucB_SIP_ACCOUNT_IS_ACTIVE_N (N=1-6)	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Connections - Active(checkmark)**
BS_WebUi.bitfld.bHasPBXMenuHidden	0: Visible 1: Hidden	Yes	**WebUI:Settings - Telephony - Connections - Automatic check for profile updates** Option to show / hide the parameter in the web-interface
BS_Accounts.astAccounts[N].aucAccountName (N=0-5)	string max. 14 chars	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Connection Name or Number** Enter a name for the IP account. The default is: .astAccounts0->IP1 .astAccounts1->IP2 .astAccounts5->IP6
BS_WebUi.bitfld.bHasConfAssistantHidden	0: Visible 1: Hidden	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Start Configuration Assistant** Option to show / hide the parameter in the web-interface
BS_IP_Data3.aucS_SIP_LOGIN_ID_N (N=2-6)	string max. 32 chars	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Authentication name** 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_PASSWORD_N (N=2-6)	string max. 32 chars	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Authentication password** 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_USER_ID_N (N=2-6)	string max. 32 chars	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Username** 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_DISPLAYNAME_N (N=2-6)	string max. 32 chars	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Display name** 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	**WebUI:Settings - Telephony - Connections - Edit(button) - DNS SRV Lookup**
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_DOMAIN_N (N=2-6)	string max.74 chars [0-9,a-z,A-Z,-,.,_]	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Domain** Specify the last part of your SIP address (URI) here. Example: For the SIP address '987654321@provider.com', enter 'provider.com' 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_SERVER_N (N=2-6)	string max.74 chars [0-9,a-z,A-Z,-,.,_]	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Proxy server address** 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: myprovider.com. 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.uiI_SIP_SERVER_PORT_N (N=2-6)	integer: 1-65535	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Proxy server port** Enter the number of the communication port that the SIP proxy uses to send and receive signalling data (SIP port). |Port 5060 is used bymost VoIP providers. Account1: BS_IP_Data1.uiI_SIP_SERVER_PORT Account2: BS_IP_Data1.uiI_SIP_SERVER_PORT_2 Account6: BS_IP_Data1.uiI_SIP_SERVER_PORT_6
BS_IP_Data1.aucS_SIP_REGISTRAR_N (N=2-6)	string max.74 chars [0-9,a-z,A-Z,-,.,_]	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Registration server** 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: reg.myprovider.com. 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.uiI_SIP_REGISTRAR_PORT_N (N=2-6)	integer: 1-65535	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Registration server port** Enter the communication port used on the registrar. Port 5060 is used in most cases. Account1: BS_IP_Data1.uiI_SIP_REGISTRAR_PORT Account2: BS_IP_Data1.uiI_SIP_REGISTRAR_PORT_2 Account6: BS_IP_Data1.uiI_SIP_REGISTRAR_PORT_6
BS_IP_Data1.uiI_RE_REGISTRATION_TIMER_N (N=2-6)	integer: 0-999 (seconds)	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Registration refresh time** 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.uiI_RE_REGISTRATION_TIMER Account2: BS_IP_Data1.uiI_RE_REGISTRATION_TIMER_2 Account6: BS_IP_Data1.uiI_RE_REGISTRATION_TIMER_6
BS_IP_Data1.ucB_SIP_USE_STUN_N (N=2-6)	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - STUN enabled** 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_SERVER_N (N=2-6)	string max.74 chars [0-9,a-z,A-Z,.,-]	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - STUN server address** 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.uiI_STUN_SERVER_PORT_N (N=2-6)	integer: 1-65535	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - STUN server port** Enter the number of the communication port on the STUN server. The default port is 3478. Account1: BS_IP_Data1.uiI_STUN_SERVER_PORT Account2: BS_IP_Data1.uiI_STUN_SERVER_PORT_2 Account6: BS_IP_Data1.uiI_STUN_SERVER_PORT_6
BS_IP_Data1.uiI_RE_STUN_TIMER_N (N=2-6)	integer: 0-999 (seconds)	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - STUN refresh time** 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.uiI_RE_STUN_TIMER Account2: BS_IP_Data1.uiI_RE_STUN_TIMER_2 Account6: BS_IP_Data1.uiI_RE_STUN_TIMER_6
BS_IP_Data1.uiI_NAT_REFRESH_TIME_N (N=2-6)	integer: 0-999 (seconds)	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - NAT refresh time** 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.uiI_NAT_REFRESH_TIME Account2: BS_IP_Data1.uiI_NAT_REFRESH_TIME_2 Account6: BS_IP_Data1.uiI_NAT_REFRESH_TIME_6

BS_IP_Data1.ucI_OUTBOUND_PROXY_MODE_N (N=2-6)	integer: 0=always 1=automatic 2=never	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Outbound proxy mode** 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.ucI_OUTBOUND_PROXY_MODE Account2: BS_IP_Data1.ucI_OUTBOUND_PROXY_MODE_2 Account6: BS_IP_Data1.ucI_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	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Outbound server address** 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.uiI_OUTBOUND_PROXY_PORT_N (N=1-6)	integer: 1-65535	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Outbound proxy port** Enter the number of the communication port used by the outbound proxy. The default port is 5060. Account1: BS_IP_Data1.uiI_OUTBOUND_PROXY_PORT Account2: BS_IP_Data1.uiI_OUTBOUND_PROXY_PORT_2 Account6: BS_IP_Data1.uiI_OUTBOUND_PROXY_PORT_6
BS_IP_Data1.ucI_SIP_PREFERRED_TRANSPORT_LAYER_N (N=2-6)	integer: 0=automatic 6=TCP only 17=UDP only	Yes	**WebUI:Settings - Telephony - Connections - Edit(button) - Show Advanced Settings(button) - Select Network Protocol** 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.ucI_SIP_PREFERRED_TRANSPORT_LAYER Account2: BS_IP_Data1.ucI_SIP_PREFERRED_TRANSPORT_LAYER_2 Account6: BS_IP_Data1.ucI_SIP_PREFERRED_TRANSPORT_LAYER_6
Telephony - Audio			
BS_IP_Data1.ucB_ONLY_ONE_ACTIVE_VOIP_CALL	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Audio - Allow 1 VoIP call only** 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.ucI_CODEC_PREFERENCES	integer: 0=Own Codec preference 1=Opimized for high bandwidth 2=Opimized for low bandwidth	Yes	**WebUI:Settings - Telephony - Audio - Voice Quality** 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.ucI_LOUDNESS_N (N=1-6)	integer: 0=Normal 1=High 255=Low	Yes	**WebUI:Settings - Telephony - Audio - Advanced Settings - Volume for this VoIP account** 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.ucI_SIP_AVAILABLE_VOCODER	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	**WebUI:Settings - Telephony - Audio - Advanced Settings - Available codecs** 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.ucI_SIP_PREFERRED_VOCODER	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	**WebUI:Settings - Telephony - Audio - Advanced Settings - Selected codecs** 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_DspGain.bG729VadEnable	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Audio - Advanced Settings - Enable Annex B for codec G.729** 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.
Telephony - Number Assignment			
BS_AE_Subscriber.stMtDat[N].aucTlnName (N=0-5)	max.10 characters	Yes	**WebUI:Settings - Telephony - Number Assignement - Handsets Name** You can change the internal name for a handset. The default name for each handset INT 1 to INT 6.
BS_Accounts.uiVariableSendAccMask		Yes	**WebUI:Settings - Telephony - Number Assignement - Select line for each outgoing call**
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] = Gigaset.net - 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	> Connections: - astAccounts[0] = IP1 - astAccounts[1] = IP2 - astAccounts[2] = IP3 - astAccounts[3] = IP4 - astAccounts[4] = IP5 - astAccounts[5] = IP6 > 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 - (0011 1111) “0x3F" = all HS “Logical OR” combinations of these values represents a group of handsets.
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_MANAGER_SUPPORT_N (N=1-6)	0=No 1=Via handsfree 2=Via headset	Yes	**WebUI:Settings - Telephony - Number Assignement - Call Manager - Enable Call Manager** 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.
BS_IP_Data1.ucI_CALL_MANAGER_ASSOCIATED_HANDSET_N (N=1-6)	integer: 0=INT 1 1=INT 2 2=INT 3 3=INT 4 4=INT 5 5=INT 6	Yes	**WebUI:Settings - Telephony - Number Assignement - Call Manager - Handset** Select the associated handset.
BS_WebUi.bitfld.bHasCallManagerHidden	0: Visible 1: Hidden	Yes	**WebUI:Settings - Telephony - Number Assignment - Call manager** Option to show / hide the parameter in the web-interface
Telephony - Call Divert			
BS_IP_Data1.ucB_VOIP_CALLFORWARDING_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.ucI_VOIP_CALLFORWARDING_WHEN_N (N=1-6)	integer: 0=Always 1=When busy 2=On no reply 3=Off	Yes	**WebUI:Settings - Telephony - Call Divert - When** 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
BS_IP_Data1.aucS_VOIP_CALLFORWARDING_NUMBER_N (N=1-6)	string max.20 chars [0-9,*,#,R,P]	Yes	**WebUI:Settings - Telephony - Call Divert - Call Number** Enter the number to which the calls should be forwarded (maximum 20 characters, 0-9, *, #, R (flash), P (pause))
Telephony - Dialling Plans			
BS_CUSTOM_Dialing.stDialingPlan.PlanRules[N].bit.bIsActive (N=0-29)	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Dialling Plans - Active(checkmark)** Select the Yes/No to enable/disable the corresponding dialling plan. A disabled dialling plan will not take effect until it is re-enabled.
BS_CUSTOM_Dialing.stDialingPlan.PlanRules[N].aucNumber (N=0-29)	string max.15 chars [0-9,*,#,R,P]	Yes	**WebUI:Settings - Telephony - Dialling Plans - Phone Number** 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.

BS_CUSTOM_Dialing.stDialingPlan.PlanRules[N].bit.bPrependLocalAreaCode (N=0-29)	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Dialling Plans - Use Area Code(checkmark)** 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	**WebUI:Settings - Telephony - Dialling Plans - Connection** 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	**WebUI:Settings - Telephony - Dialling Plans - Comment** You can enter a description of the dialling plan here (maximum 20 characters).
BS_CUSTOM.aucAkzVoip		Yes	**WebUI:Settings - Telephony - Dialling Plans - Code for VoIP line** 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	**WebUI:Settings - Telephony - Dialling Plans - Code for VoIP line** 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.
Telephony - Network Mailboxes			
BS_IP_Data1.aucS_VOIP_NET_AM_NUMBER_N (N=1-6)		Yes	**WebUI:Settings - Telephony - Network Mailboxes - Call Number** VoIP connections: maximum 32 characters and/or digits (0-9,A-Z,a-z,*,#,R,P,-)
BS_IP_Data1.ucB_VOIP_NET_AM_ENABLED_N (N=1-6)		Yes	**WebUI:Settings - Telephony - Network Mailboxes - Active(checkmark)** You can enable or disable individual network mailboxes
BS_IP_Data1.aucS_VOIP_NET_AM_NUMBER_N (N=1-6)	string max.32 chars [0-9,A-Z,a-z,*,#,R,P,-]	Yes	**WebUI:Settings - Telephony - Network Mailboxes - Call Number** VoIP connections: maximum 32 characters and/or digits (0-9,A-Z,a-z,*,#,R,P,-)
BS_IP_Data1.ucB_VOIP_NET_AM_ENABLED_N (N=1-6)	0: No 1: Yes	Yes	WebUI:Settings - Telephony - Network Mailboxes - Active(checkmark) You can enable or disable individual network mailboxes
Telephony - Advanced VoIP settings			
BS_IP_Data1.ucB_DTMF_TX_MODE_AUTO	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Automatic negotiation of DTMF transmission** 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.ucI_DTMF_TX_MODE_BITS	integer: 1=Audio 2=RFC 2833 3=Audio+RFC2833 4=SIP INFO 5=Audio+SIP INFO 6=RFC2833+SIP INFO 7=Audio+RFC2833+SIP INFO	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Send settings of DTMF transmission** 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_CALL_TRANSFER	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Use the R key to initiate call transfer** 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	**WebUI:Settings - Telephony - Advanced VoIP settings - Transfer Call by On-Hook** 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_REFER_TO_AUTOMATIC	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Find target addr. automatically** 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_REFER_TO_PREFERRED_CONTACT	integer: 0=from the SIP URL 1=from the SIP contact header	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Derive target address** *from the SIP URL*:recommended when the base station is connected to the Internet via a router with NAT. *from the SIP contact header*: recommended for 'closed' networks (internal company and business networks).
BS_IP_Data1.ucB_ATTENDED_CALL_TRANS_HOLD_TARGET	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Hold on transfer target(For attended transfer)** 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_UNATTENDED_CALL_TRANS_HOLD_TARGET	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Hold on transfer target (For unattended transfer)** 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_RANDOM_PORT	0: No 1: Yes	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports** 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.uiI_SIP_LOCAL_PORT	integer: 1024-49152	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports** 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.uiI_SIP_LOCAL_PORT_MAX	integer: 1024-49153	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports** 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.uiI_RTP_LOCAL_PORT	integer: 1024-55000	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports** Enter the lowest port number (numbers between 1024 and 55000). The default RTP port is 5004.
BS_IP_Data1.uiI_RTP_LOCAL_PORT_MAX	integer: 1024-55000	Yes	**WebUI:Settings - Telephony - Advanced VoIP settings - Use random ports** Enter the highest port number (numbers between 1024 and 55000). The default RTP port is 5020.
Messaging - eMail			
BS_Email.astEmailAccounts[N].aucDisplayName (N=0-5)	string max.32 chars [0-9,a-z,A-Z,.,-]	Yes	**WebUI:Settings - Messaging - eMail - Display name** 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.astEmailAccounts[N].aucEmailUsername (N=0-5)	string max.74 chars [0-9,a-z,A-Z,.,-]	Yes	**WebUI:Settings - Messaging - eMail - Authentication Name** Enter your username or e-mail account name as agreed with the Internet provider (maximum 74 characters).
BS_Email.astEmailAccounts[N].aucEmailPassword (N=0-5)	string max.32 chars [0-9,a-z,A-Z,.,-]	Yes	**WebUI:Settings - Messaging - eMail - Authentication Password** Enter the password agreed with your provider for accessing the POP3/POP3S server (maximum 32 characters; case-sensitive).
BS_Email.astEmailAccounts[N].aucEmailServer (N=0-5)	string max.74 chars [0-9,a-z,A-Z,.,-]	Yes	**WebUI:Settings - Messaging - eMail - POP3 Server** 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	**WebUI:Settings - Messaging - eMail - POP3 Server port** 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	**WebUI:Settings - Messaging - eMail - eMail advice on handset** 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	**WebUI:Settings - Messaging - eMail - Secure Connection (SSL)** 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	**WebUI:Settings - Messaging - eMail - Display name** Specifiying 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.
Messaging - MWI Light			
BS_AE_Subscriber.stMWI[N].bShowMissedCalls (N=0-5)	0: No 1: Yes	Yes	**WebUI:Settings - Messaging - MWI Light - Missed calls** 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	**WebUI:Settings - Messaging - MWI Light - Missed Alarms** 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	**WebUI:Settings - Messaging - MWI Light - Missed SMS**
BS_AE_Subscriber.stMWI[N].bShowMissedEMail (N=0-5)	0: No 1: Yes	Yes	**WebUI:Settings - Messaging - MWI Light - eMail** 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	**WebUI:Settings - Messaging - MWI Light - Answering machine**
BS_AE_Subscriber.stMWI[N].bShowMissedNetAM (N=0-5)	0: No 1: Yes	Yes	**WebUI:Settings - Messaging - MWI Light - Network Mailboxes** 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.
Messaging - Message Notification			
BS_Accounts.astAccounts[N].bitfld.SaveMissedCalls (N=0-5)	0: No 1: Yes	Yes	**WebUI:Settings - Messaging - Message Notification - Missed Calls Count** For each handset you can individually enable/disable counting of missed calls.
BS_WebUi.bitfld.bHasEmailMWIHidden	0: Visible 1: Hidden	Yes	**WebUI:Settings - Messaging - Message Notification - Email** Option to show / hide Email option in web-interface
Info Services			

Directories - Online Directory			
BS_XML_Netdirs.astNetdirProvider[0].aucProviderName	string max. 20	Yes	**WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit** Enter the name of the provider.
BS_XML_Netdirs.astNetdirProvider[0].aucServerURL	string max. 74	Yes	**WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit** Enter the IP address or the (fully qualified) DNS name of the server.
BS_XML_Netdirs.astNetdirProvider[0].aucUsername	string max. 30	Yes	**WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit** 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_Netdirs.astNetdirProvider[0].aucPassword	string max. 64	Yes	**WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit** 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_Netdirs.astNetdirProvider[0].aucWhitePagesDirName	string max. 20	Yes	**WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit** 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_Netdirs.astNetdirProvider[0].aucYellowPagesDirName	string max. 20	Yes	**WebUI:Settings - Directories - Online Directory - Settings for an additional Provider - Edit** 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_Netdirs.astNetdirProvider[0].aucPrivatePagesDirName	string max. 20	Yes (hidden page)	**Hidden page: http://IP_address/settings_services_eeprom_provider.html**
BS_XML_Netdirs.aucActivatedNetdirs	byte array (defined for 30 directories)	Yes	**WebUI:Settings - Directories - Online Directory** Value=directory1,directory2, .. directory30. 0: No; 1: Local; 2: Gigaset.net; 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: [tel.search.ch] White pages; 101: [tel.search.ch] Yellow Pages.
BS_XML_Netdirs.aucNetdirSelForAutoLookup	byte array (defined for 6 accounts)	Yes	**WebUI:Settings - Directories - Online Directory** Value=account1,account2, .. account6. 0: No; 1: Local; 2: Gigaset.net; 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: [tel.search.ch] White pages; 101: [tel.search.ch] Yellow Pages.
Directories - Corporate Directory			
BS_LDAP_Netdirs.astNetdirProvider[0].aucDirName	string max. 20 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** User defined name of LDAP directory. Text entered here will be visible in directory list after long press navi key down.

BS_LDAP_Netdirs.astNetdirProvider[0].NameFilter	string max. 50 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** 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_Netdirs.astNetdirProvider[0].NameAttributes	string max. 50 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** LDAP Name attributes. Use "Attributes" to define requested attributes which are provided by server. Use "Filter" to define search criteria.
BS_LDAP_Netdirs.astNetdirProvider[0].NumberFilter	string max. 50 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** 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_Netdirs.astNetdirProvider[0].NumberAttributes	string max. 50 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** LDAP Number attributes. Use "Attributes" to define requested attributes which are provided by server. Use "Filter" to define search criteria.
BS_LDAP_Netdirs.astNetdirProvider[0].aucServerURL	string max. 253 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** Address of LDAP Server. Can be an IP number or domain name e.g. 10.25.62.35, ldap.example.com.
BS_LDAP_Netdirs.astNetdirProvider[0].uiServerPort	integer: 1-65535 (default: 389)	Yes	**WebUI:Settings - Directories - Corporate Directory** Port number on which LDAP server listens. Typically 389.
BS_LDAP_Netdirs.astNetdirProvider[0].aucBaseDN	string max. 50 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** 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_Netdirs.astNetdirProvider[0].aucUsername	string max. 50 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** Credentials used in authentication process. User name can be the same as LDAP Search Base.
BS_LDAP_Netdirs.astNetdirProvider[0].aucPassword	string max. 64 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** Credentials used in authentication process.
BS_LDAP_Netdirs.astNetdirProvider[0].DisplayName	string max. 50 chars	Yes	**WebUI:Settings - Directories - Corporate Directory** 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			**New in BL 240:** value = true = new behavior = no buffering in names request, send query everytime.
Management - Date & Time			
BS_IP_Data1.ucB_TIME_USE_AUTOMATIC_NTP_SYN	0: No 1: Yes	Yes	**WebUI:Settings - Management - Date&Time - Automatic adjustment of System Time with Time Server** 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_NTP_SERVER[0] BS_IP_Data1.aucS_TIME_NTP_SERVER[40]	string max.74 chars [0-9,a-z,A-Z,.,-]	Yes	**WebUI:Settings - Management - Date&Time - Time Server** 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 'europe.pool.ntp.org' is set by default. You can overwrite this setting.
BS_IP_Data1.uil_TIME_TIMEZONE	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	**WebUI:Settings - Management - Date amp;Time - Time Zone** 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_USE_AUTOMATIC_DST	0: No 1: Yes	Yes	**WebUI:Settings - Management - Date&Time - Automatically adjust clock for daylight saving changes** 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.
Management - Local Settings			
BS_IP_Data1.ucI_DIALING_PLAN_COUNTRY_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=Luxembourg; 44=Macedonia	Yes	**WebUI:Settings - Management - Local Settings - Country** 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=Rico; 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.aucInternationalPrefix			**WebUI:Settings - Management - Local Settings - Area codes International - Prefix**
BS_CUSTOM_ORG.aucCountryCode			**WebUI:Settings - Management - Local Settings - Area codes International - Area code**
BS_CUSTOM_ORG.aucNationalPrefix			**WebUI:Settings - Management - Local Settings - Area codes Local - Prefix**
BS_CUSTOM.aucLocalAreaCode			**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.
Management - Miscellaneous			
BS_CUSTOM.aucKdsPin	comma separated list: 0x00,0x00 (default)	Yes	**WebUI:Management - Miscellaneous - New PIN** 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	**WebUI:Management - Miscellaneous - Eco Mode** Eco Mode: Decreases the transmission power and range of base station
BS_CUSTOM_ORG.bit.bNEMoEnable	0: No 1: Yes	Yes	**WebUI:Management - Miscellaneous - Eco Mode+** 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	**WebUI:Management - Miscellaneous - Signal Ethernet Connection and Traffic** 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	**WebUI:Management - Miscellaneous - Show VoIP status on handset** 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.
Management - Firmware update			
BS_IP_Data1.aucS_DATA_SERVER	string max.74 chars [0-9,a-z, A-Z,.,-]	Yes	**WebUI:Management - Firmware Update - Data server** 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	**WebUI:Management - Firmware Update - Configuration file (URL)** If this parameter is set device will omit Gigaset file structure and directly download configuration file specified in value. Example: <S_CONFIGFILE_URL class="string" value="'http://provisioningserver.com/device/42/2/xml/7C2F80A1B2C3.xml'"/> 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	**WebUI:Management - Firmware Update - Automatic check for software updates**
S_SPECIAL_DATA_SRV or BS_IP_Data1.aucS_SPECIAL_DATA_SRV See also wiki article.	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: <S_SPECIAL_DATA_SRV class="string" value="'http://profile.gigaset.net/42/merkur207_42.bin'"/> or <SYMB_ITEM ID="BS_IP_Data1.aucS_SPECIAL_DATA_SRV[0]" class="symb_item" value="'http://profile.gigaset.net/42/merkur207_42.bin'"/>
Advanced NVRAM settings			
BS_IP_Data3.uciI_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.uciI_DSCP_RTP_PRIOR_N (N=1-6)	0xb8	No	DSCP RTP priority per account
BS_IP_Data1.uciI_DSCP_SIP_PRIOR_N (N=1-6)	0x88	No	DSCP SIP priority per account
BS_IP_Data3.ucB_IP_DIALLING_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_TO_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.bBaseRebootLocked..attr	0x0200: locked		block Reboot from HS level
BS_WebUi.bitfld.bBaseFactoryResetLocked..attr	0x0200: locked		block Factory Rest from HS level
BS_IP_Data1.ucB_USE_DHCP_66_IF_114_NOT_AVAILABLE	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_ONLY_WITHOUT_RTP=0x0	0: No 1: Yes		Hold signalling not using "send-only" but "inactive". FAQ N510 - Change hold using "inactive" attribute
Syslog settings			
BS_Syslog.aucServerIPAddress	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.ulFacilityMask	0x01 - 0xef	Yes (hidden page)	• 0x01 (0000 0001): System events • 0x02 (0000 0010): Fault in DECT • 0x04 (0000 0100): Socket layer • 0x08 (0000 1000): SIP events • 0x20 (0010 0000): eMail events • 0x40 (0100 0000): RAP events • 0x80 (1000 0000): Lists events multiple selection, e.g.: • 0x09 (0000 1001): SIP + System • 0xef (1110 1111): all events
BS_Syslog.ulSeverityMask	0x7f	Yes (hidden page)	
Broadsoft provisioning			
I_PHONE_SYSTEM	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.ucI_PHONE_SYSTEM
S_CONFIGFILE_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.uiI_SIP_ProvTimeout	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)