List of timers, unnamed bits, bytes, words and long words, that cannot be accessed via configuration windows

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timers, Unnamed bits, bytes, words or long words description default timer Call from ISDN reaction delay In very few cases PBXs have problems if the reaction to a SETUP is too fast. A delay can be defined at this point. 0.10 sec. timer Waiting time for first digit from ISDN The AS55X waits this time for the first digit of ISDN suffix dialing. After this timer has expired, the call-setup attempt from ISDN domain will be aborted. 15 sec. timer Waiting time for reconnect from ISDN When a call-setup to an ISDN number is made and the ISDN phone is ringing, the AS55X will wait this time for an answer from the ISDN user. 120 sec.	
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timer Time limit of callback attempt to ISDN	
If a callback from GSM domain to ISDN domain is	
in progress, the AS55X will wait this time for an	
answer from the ISDN user. 60 sec.	
timer Call from GSM reaction delay	
From the eight of the CCM actively the CCM	
From the sight of the GSM network, the GSM	
channel of the AS55X is a mobile phone. Sometimes GSM networks do not behave	
properly, if the reaction of a call to a mobile	
property, if the reaction of a call to a mobile phone is too fast. With this setting, the reaction	
delay can be adjusted. 1.00 sec.	
timer Waiting time for CLIP from GSM	
Some GSM networks do not send the CLIP of the	
calling subscriber immediately with the ring	
command and there is a small delay. The AS55X	
is waiting this time for the CLIP from the GSM	
network before processing the call. 2 sec.	
timer Waiting time for first DTMF digit from GSM	
The AS55X waits this time for the first digit of	
DTMF suffix dialing from the mobile phone. This	
timer is only active, if no fix subscriber delay for	
this call or this channel is defined. After this timer	
has expired, the call-setup attempt from GSM	
domain will be aborted. 15 sec.	
timer Waiting time for next DTMF digit from GSM	
The AS55X waits this time for the next digit of	
DTMF suffix dialing from the mobile phone. After	
this timer has expired, the call-setup attempt	
from GSM domain will be aborted. 15 sec.	
timer Time limit of call to fix subscriber	
If a call to a fix subscriber is in progress, the	
AS55X is waiting this time for an answer of the	
called user. After this timer has expired, the GSM	
caller can select another ISDN subscriber by DTMF	
dialing.	
Notice: If the caller is apphled for DTME dialing	
Notice: If the caller is enabled for DTMF dialing after an undelayed fix subscriber call has been	
made, there will be traffic charges to the mobile	
phone during suffix dialing. 60 sec.	
timer Waiting time for connect from GSM	
When a call-setup to a GSM number is made and	
the GSM phone is ringing, the AS55X will wait this	
maximum time for an answer from the GSM user.	
After this timer has expired, the call-setup	
attempt will be aborted. 120 sec.	
timer Blocking time of GSM channel after call	
termination	
During this time, the GSM channel of an AS55X	
does not accept a new call-setup from the ISDN	
domain after the previous call has ended.	
In some cases, especially with high GSM network	
load phases, it can be necessary to have a short	
timeout between ending of a call and starting the	
next call. 1.0 sec.	

if the DTME tones for entering the GME code are subtle long, with this timer the start of the new active tasks can be daily in order to avoid recegnizing the rest of the tone by this new task. 0.50 sec. itimer Get CSM cell information repetition time in idle mode 0.50 sec. For trouble/hooting in case of CSM network problems, the information about the CSM cells can be height. Such cases can be the search of the best antenna position for investigation of CSM cell sector problems. 0.50 sec. The distances of reading the cell informations in idle mode and in active mode (cell present) can be set separately. 0.50 sec. timer Get CSM cell information repetition time in active and height problems. 0 sec. timer The distances of reading the cell informations in idle mode can be network problems, the information about the CSM cells can be height. Such cases can be the search of the best antenna position for investigation of CSM cell sector and in active mode (cell present) can be set separately. 0 sec. timer SIP OPTIONS request repetition period mode and of the clients in SIP server mode is mode with SIP OPTIONS request repetition period can additionally work as MT request. This function can additionally work as MT request. 0.00 sec. timer SIP OPTIONS as the second of the OPTIONS mode and of the clients in SIP server mode is post, mode in the singh. At too in a set of the second of the CSM cells can additionally work as MT request. 0.00 sec. timer SIP registration repetition in SIP cellstone experised. 0.00 sec. timer SIP cellstone experide.				1
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pit 48 Unnamed bit 48, get public IP address from				not set
register response not set	bit	48	Unnamed bit 48, get public IP address from	
			register response	not set

bit	49	Unnamed bit 49, get public port from register response	
		In a NAT context, it might be possible to use the public IP address and port in the SIP protocol as some SIP providers do only accept call-setups with the correct values. With this bit the fetching of these informations from the register response message can be controlled.	not set
bit	50	Unnamed bit 50, abort SIP connection with TCP socket close	
		Normally, for a SIP connection it is not really necessary that the correspondent TCP connection is up for the whole time. If this bit is set, the SIP connection will be aborted, if the TCP port is closed.	not set
bit	52	Unnamed bit 52, allow registrar IP as proxy identity In SIP client mode normally call setups are only	
		accepted if they correspond to that entity, the AS55X is registered at. A random number in the registration contact is used to recognize the entity, but some providers do not handle this contact properly. If this bit is set, it is sufficient, if the call setup arrives from the IP address of the registrar.	not set
bit	55	FAX speed restriction If this bit is set, FAX speed is limited to 4800bps. This setting only makes sense, if due to bad line quality, the training procedures often gets very long.	not set
bit	56	no FAX function restriction Normally	
		enhanced FAX modes like: error correction, colour transmission etc. are disabled as this is strongly recommended with FAX over GSM. These modes can be enabled by setting this bit.	not set
bit	59	do not store local parameters For	not set
		faster synchronisation of both FAX devices during incoming calls, the parameters of the local FAX device will be stored in the WLL. If this bit is set, there is no storing and the parameters will newly be read from the local FAX device with every call.	
bit	60	do not store remote parameters	not set
		For faster synchronisation of both FAX devices during outgoing calls, the parameters of some remote FAX devices will be stored in the WLL. If this bit is set, there is no storing and the parameters will newly be read from the remote FAX device with	not set
bit	65	every call. add a leading '0' zero to called party number Sometimes PBXs	
		need an additional leading '0' if the destination of the call is not in the PBX domain (number of the wired network). Depending on the detection of PBX internal and external numbers, this digit will be added will be added to the number dialled into	
byte	12	the PBX. Unnamed byte 12, traffic direction	not set
		These bytes specify the allowed call setup directions: 1: Calls from PBX to GSM are allowed 2: Calls from GSM to PBX are allowed	3
byte	19	3: Calls in both directions are allowed Unnamed byte 19, overrun type of callback	
		number If in case of a callback via call setup list, the PBX does not expect the callback number with that type of the CLIP of the first call to GSM, the number type can be changed with this byte. 0: Unknown type 1: Subscriber type 2: National prefix and digits 3: National type and digits	
		4: International prefix, country code and digits 5: International type, country code and digits	255 (decimal), no overrun

byte	29	Unnamed byte 29, DTMF processing	
		This byte holds the configured DTMF processing	
		modes. 1: Detect restart sequence (*0) during call setup from GSM to PBX	
		2: Detect restart sequence (*0) from GSM during active call	
		4: Convert SIP telephone event to DTMF to GSM 8: Convert DTMF from GSM to telephone event to SIP	
		Code the byte as sum of the single modes. The telephone event (RFC2833/4733) conversion modes are also settable with DTMF processing in SIP access configuration.	3
byte	56	Unnamed byte 56, call waiting off trials	5
		This byte specifies the trials of switching call waiting off with the startup procedure of the module. If the GSM network does not accept this command, the startup of the module gets faster if this value is set to 0.	1
byte	59	Unnamed byte 59, GME timeout passive line	-
		This byte specifies the time limit, a GME line is allowed to be in passive state. This timer shall avoid that forgotten lines block resources.	120 (decimal)
byte	63	Unnamed byte 63, type of CLIP to ISDN for AUX interface	
		The same as 'Type of CLIP to ISDN', settable with	
		general ISDN access, but not for the main interface.	
		0: Unknown type 1: Subscriber type	
		2: National prefix and digits 3: National type and digits	
		4: International prefix, country code and digits 5: International type, country code and digits	2
byte	66	Unnamed byte 66, SIP server registration mode	
		1: SIP clients have to register explicit with REGISTER request (normal mode) 2: SIP clients can also register implicit with an	
byte	69	INVITE request Unnamed byte 69, IP trace mode	1
		1: Trace received frame 2: Trace sent frame 4: Trace received fragments Code this byte as sum of the single modes. The trace of received and sent frames can also be switched on or off by configuration window 'advanced network configurations'.	
		The trace load can be reduced with this byte, e.g. if a deeper trace memory for GSM is wanted.	255 (decimal), all modes active
byte	70	Unnamed byte 70, SIP trace mode	
		 Trace received frame if parse error Trace unexpected received messages Trace received messages unconditional Trace transmitted frames Code this byte as sum of the single modes. The trace load can be reduced with this byte, e.g. if a deeper trace memory for GSM is wanted. 	255 (decimal), all modes active
byte	75	Unnamed byte 75, overrun LAN chip settings (Since firmware 3.00 via menu)	
		Hex 80: 10 Mbit/s, half duplex Hex 81: Negotiation 10/100Mbit/s, half/full duplex Hex 82: 100 Mbit/s, half duplex Hex 83: Negotiation 10/100Mbit/s, half/full duplex Hex 84: 10 Mbit/s, full duplex Hex 85: Negotiation 10/100Mbit/s, half/full duplex Hex 85: Negotiation 10/100Mbit/s, half/full duplex Hex 87: Negotiation 10/100Mbit/s, half/full duplex By default 10 Mbit/s is used because in worst case with 30 active calls via AS551 there is a maximum LAN load of about 3 Mbit/s and we detect less lost packets via LAN, if we use lower speed between a LAN-switch and an endpoint (in this case AS55x). This value should only be changed, if the LAN- switch has any problem with the default setting (e.g. it does not support 10 Mbit/s).	
byto	77	Linnamed hute 77 STD DEEED asknowledge made	0, 10 Mbit/s, full duplex
byte	//	Unnamed byte 77, SIP REFER acknowledge mode 0: Acknowledge with OK	
		1: Acknowledge with NOTIFY	0

78	Unnamed byte 78, offered telephone event payload type	
	payload type	
	According to SIP RFC, allowed payload type for SIP telephone event are 96 to 127, the AS55X normally offers 123. But some PBXs need a special payload type, offered by the AS55X, it can be set here. This value has no affect to call setup directions from the PBX to GSM. The SIP telephone event is needed for DTMF via SIP	
00	(RFC2833/4733).	0 (same as 123)
82	The SIP phone context is an additional information element of the SIP FROM or TO headers in order to include number prefixes. With the value 1 of this byte, phone context is used, if the phone number is not in national or international order. With the value 2, phone context will be used unconditional and a national or international prefix	0, phone context processing off
87	Unnamed byte 87,	
00	If an access from GSM is not permitted, the call will normally be rejected immediately. But in some cases, e.g. in context with call forwardings, it might be possible to delay this rejection. A delay can be entered in seconds.	0, immediately
90	In SIP mode some PBXs loose TCP messages, if they follow each other too fast. With this byte a minimum message distance can be defined in 10ms steps.	0
91	minimum DTMF tone length from GSM The minimum tone length of DTMF tones from GSM that will be detected in steps of 4 ms. Changing of this setting is useful only in case of faulty interpretation of noise.	0, same as 12 (48 ms)
103	Telnet option raw TCP mode If this byte is set to 1, no Telnet control codes are used. This is mostly called 'raw TCP mode'.	0
107	read own voice number trials This byte specifies the trials of reading the voice number of the own SIM. If there is no number stored on the SIM, the startup of the module gets faster if this value is set to 0.	5
109	pause between FAX call-setup trials If a FAX call-setup failed, after this time in seconds, the WLL is trying again.	0, same as 60
110	pause between FAX call-setup trials after connection If a FAX connection failed, after this time in seconds, the WLL is trying again.	0, same as 10
113	maximum call trials to local FAX The maximal number of call trials to the local FAX device, that is connected to the analogue interface of the WLL.	0 2
114	maximum call trials to remote FAX The maximal number of call trials to the remote FAX device, that is connected via GSM to the WLL.	0, same as 3
115	minimum DTMF tone length from wired side The minimum tone length of DTMF tones from ISDN or SIP that will be detected in steps of 4 ms. Changing of this setting is useful only in case of faulty interpretation of noise.	0, same as 3 0, same as 12 (48ms)
118	remove leading '0' zero from calling number If the PBX adds a leading '0' to the calling number in case the origin of the call is in the wired network and this digit leads into trouble with callback or detection of PBX internal and external numbers. It can be removed in dependence on the type of number. If this byte is 0, the earlier reparation of the prefix error will be maintained. If this byte is 1, a leading zero will be removed from an unknown number. If this byte is 2, a leading zero will be removed from an ISDN national number. If this byte is 4, a leading zero will be removed from an international number. If this byte is 7, a leading zero will be removed from an lnumber formats. A value of 128 deactivates this function.	
	90 91 103 107 109 110 110 113 114 114	normally offers 123. But some PBXs need a special payload type, offered by the AS5X, it can be set here. This value has no affect to call setup directions from the PBX to GSM. The SIP relephone event is needed for DTMF via SIP (REC28324733). 82 Unnamed byte 82, SIP phone context processing The SIP phone context is an additional information element of the SIP FROM or TO headers in order to include number prefixes. With the value 1 of this byte, phone context is used, if the phone number will be removed. 87 Unnamed byte 87, Of the phone number will be removed. 87 Unnamed byte 87, If an access from GSM is not permitted, the call will normally be rejected immediately. But in some cases, e.g. in context with call forwardings, it might be possible to delay this rejection. A delay can be entered in seconds. 90 TCP message distance In SIP mode some PBXs lose TCP messages, if they follow each other too fast. With this byte a minimum tore length of DTMF tones from GSM that will be detected in steps of 4 ms. Changing of this setting is useful only in case of faulty interpretation of noise. 103 Telnet option raw TCP mode If this byte is set to 1, no Telnet control codes are used. This is mostly called 'raw TCP mode'. 104 The is byte is set to 1, no Telnet control codes are used. This is mostly called, after this time in seconds, the WLL is trying again. 105 pause between FAX call-setup trials If a FAX call-setup failed, after this time in seconds, the WLL is trying again. 110 pause between FAX call-setup trials after connection FAX device, that is connected to the ana

byte	121	for EU-3/PH8 to allocate network type Normally the EU-3 module preferably registers to an UMTS network. If byte 121 is set to 1, it exclusively	
		registers to a GSM Network and if the byte 121 is set to 2, if exclusively registers to a UMTS network. This setting is globally for all channels.	
word	15	Unnamed word 15, SIP local RTP port base	0
		By default, the AS55X uses RTP port numbers beginning from 30000. If there should be a	
		conflict e.g. due to port forwarding in the router, this port number base can be changed.	30000
word	16	Unnamed Word 16 to 18, Ethernet MAC address overrun	All 0, factory setting
word	19	Unnamed word 19, SIP REGISTER repetition period	
		If the AS55X is in SIP client mode, after the time value set here, the registration process at its server will be repeated. Set this value in seconds.	Default: 300 (5 minutes)
word	20	Unnamed word 20, SIP OPTIONS repetition period	
		The AS55X periodically sends an OPTIONs message, the period length can be changed here. In SIP peer mode, the sending begins immediately after startup, in SIP client mode after	
		successful registration at the server. In SIP server mode the AS55X sends this message to every registered client. The OPTIONs message can be	
		used as keep alive function for NAT router entries. Set this value in 10 milliseconds, a period time of	
		0 will suppress the OPTIONs sending. The response from the endpoint can be ignored, even if it is negative.	Default: 1000 (10 seconds)
word	21	Unnamed word 21, service port	
		This is the listen port for service access via LAN. The default port is 29999 (TCP).	Default: 0 (same as 29999)
word	22	Unnamed word 22, jitter buffer initial delay	
		If the jitter in a network should be very high, the adaptation can result in some audio disturbance of VoIP connections. Before increasing this value in bad audio cases, it should be evaluated with a network protocol tester, if the jitter is really the cause. This value is understood in ms, the allowed	
		range is 20 to 250.	Default: 0 (same as 50 ms)
word	24	Unnamed word 24, repetition period of NAT keep alive messages	
word	26	This value is understand in 10 ms steps. Unnamed word 26, outgoing local TCP port range	0 (same as 1000, 10 seconds)
word	27	begin Unnamed word 27, outgoing local TCP port range	Begin:10000
		end With SIP TCP, the local port for outgoing TCP	
		connections is changed because a port is blocked some time after terminating a connection. The local port range can be set with these words. If word 27 is smaller than word 26, always the local	
long	10	SIP port will be used. Unnamed long word 10, SIP CLIP source header	End: 10999
word	10	list. The CLIP from the PBX, used by AS55X for callback issues, can be present in different SIP headers. And the effective CLIP entry of these	
		headers can differ. With this long word, the sequence for searching the CLIP can be defined. Each digit of this long word represents a SIP header for searching the CLIP. Digit works 1: From header	
		Digit value 1: From header Digit value 2: P-Asserted-Identity header Digit value 3: P-Preferred-Identity header Digit value 4: Contact header Digit value 5: Remote-Party-ID	
		Other values are not defined. The processing of this list begins from the right bound digit. By default the AS55X first searches the CLIP in the P-Preferred-Identity header. If this	
		the CLIP in the P-Prefered-identity header. If this is unsuccessful (e.g. the header does not exist), the P-Asserted-Identity header will be checked. If also no success, the AS55X looks into the FROM header.	
			00000123