

Настройка телефона Grandstream GXP-20XX.

Для настройки данного оборудования необходимо зайти на вэб-интерфейс устройства, для чего следует нажать на круглую кнопку посередине между стрелками джойстика и затем нажать на кнопку со стрелкой, указывающей вниз. Далее перейдите в меню «Status», на экране будет написано «IP:» и затем цифры «пример IP: 192.168.0.100». Данный адрес нужно записать и ввести в адресную строку internet-обозревателя ("Internet "Explorer" или "Mozilla Firefox") и нажать «Enter», после чего должно появиться окно вэб-интерфейса аппарата с просьбой ввести пароль для входа в его меню. Пароль должен быть admin или 8357446, затем нажмите на кнопку «Login» (рис.1).

Grandstream Device Configuration
Password Введите пароль
Login
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рис.1

Для настройки сетевых параметров перейдите на вкладку **«BASIC SETTINGS».** Если у вас в сети IP-адреса раздаются автоматически, то поставьте точку в поле **«dynamically»**. Далее нажмите кнопку **«Update» (рис.2)**

	Grandstream	Device	Config	juratio	n	
STATUS BASIC SETTINGS	ADVANCED SETTINGS	ACCOUNT	<u>1 ACC</u>	OUNT 2	ACCOUNT	<u>ACCOUNT 4 EXT 1 EXT 2</u>
End User Passwo	rd:		(purp	osely no	t displayed f	for security protection)
IP Addre	ss: Odynamically assigne (will attempt PPPoE if	ed via DH DHCP fai	CP (defa ls and fo	ault) or P llowing is	PPoE non-blank))
	PPPoE account	ID:				
	PPPoE passwor	d:				
	Host name (Option 12):					
	Domain name (Option 15):					
	Vendor Class ID (Option 60):)	Grands	tream GX	P2000	
	Preferred DNS server	: 0	. 0	. 0	.0	
	statically configured	1 as:				
	IP Address:	213	. 170	. 78	. 205	
	Subnet Mask:	255	. 255	. 255	.0	
	Gateway:	213	. 170	. 78	. 201	
	DNS Server 1:	213	. 170	. 64	. 33	
	DNS Server 2:	213	. 170	. 64	. 33	
		рис.2				

Если у вас статические настройки, то поставьте точку в поле **«statically»**, и заполните поля согласно рисунку 3.

	Grandstrea	n Devic	e Conf	figuratio	on	
STATUS BASIC SETTINGS A	DVANCED SETTINGS	ACCOUN	<u>T1 A</u>	CCOUNT 2	ACCOU	NT 3 ACCOUNT 4 EXT 1 EXT 2
End User Password:			(pı	rposely no	ot displaye	ed for security protection)
IP Address:	O dynamically assig (will attempt PPPoE	gned via D if DHCP f	HCP (d	efault) or I following i	PPoE s non-bla	nk)
	PPPoE accou	nt ID:				
	PPPoE passw	ord:				
	Host name (Option 12):					
	Domain name (Option 15):					
	Vendor Class (Option 60):	ID	Gran	dstream G	KP2000	
	Preferred DNS serv	er: 0	. 0	. 0	.0	
	statically configure	red as:				
	IP Address:].[Введите ір адрес
	Subnet Mask:].	Введите маску подсети
	Gateway:					Введите адрес шлюза
	DNS Server 1:	1	-1	-	2.	Введите адреса первичного
	DNS Server 2:			-	1.	и вторичного dns сервера
		Рис.	3			

Нажмите на кнопку **«Update»,** затем нажмите кнопку **«Reboot» (рис.4)**



рис.4

Далее перейдите на вкладку **«ADVANCED SETTINGS»** и введите данные, согласно рисункам 5 и 6.

	Grandstream Device Configuration
STATUS BASIC SETTINGS	ADVANCED SETTINGS ACCOUNT 1 ACCOUNT 2 ACCOUNT 3 ACCOUNT 4 EXT 1 EXT 2
Admin Password:	(purposely not displayed for security protection)
G723 rate:	6.3kbps encoding rate 5.3kbps encoding rate
iLBC frame size:	20ms 0 30ms 30ms
iLBC payload type:	97 (between 96 and 127, default is 97)
Silence Suppression:	No O Yes
Voice Frames per TX:	2 (up to 10/20/32/64 for G711/G726/G723/other codecs respectively)
Layer 3 QoS:	48 (Diff-Serv or Precedence value)
Layer 2 QoS:	802.1Q/VLAN Tag 0 802.1p priority value 0 (0-7)
Data VLAN Tag:	1: 0 2: 0 3: 0 (can't use the same non-zero value as 802.1Q tag)
No Key Entry Timeout:	4 (in seconds, default is 4 seconds)
Use # as Dial Key:	💿 No 💿 Yes
local RTP port:	5004 (1024-65400, default 5004, must be even)
Use random port:	No Yes Yes
keep-alive interval:	20 (in seconds, default 20 seconds)
Use NAT IP:	(if specified, this will be used in SIP/SDP message)
STUN server:	(URI or IP:port)
Firmware Upgrade and	Upgrade Via 💿 TFTP 💿 HTTP
Provisioning:	Firmware Server Path: firmware.grandstream.com
	Filmware File Prefix: Config File Postfix: Config File Postfix: Allow DHCP Option43 and Option 66 to override server: Image:
Phonebook XML Download:	 Always Check for New Firmware Check New Firmware only when F/W pre/suffix changes Always Skip the Firmware Check Authenticate Conf File: No Yes (cfg file would be authenticated before acceptance if set to Yes) Enable Phonebook XML Download: No YES, HTTP YES, TFTP Phonebook XML Server Path: (0-720, in minutes) Remove Manually-edited entries on Download:
	No Ves
	рис.5

ПРИМЕЧАНИЕ: Значение «local RTP port» на SIP-программах / SIP-устройствах, работающих в одной локальной сети, не должно совпадать. Задавать при этом можно любой порт, превышающий значение 5004, *но не совпадающее с настройкой «local SIP port»(puc.7)*.

LDAP Directory:	LDAP Script Server Path:
Idle Screen XML Download:	Enable Idle Screen XML Download:
	No O YES, HTTP O YES, TFTP
	Download Screen XML At Boot-up:
	Use custom filename:
	No O Yes
	Idle Screen XML Server Path:
Offhook Auto Dial:	(User ID/extension to dial automatically when offhook, max length 35)
DTMF Payload Type:	101
Syslog Server:	
Syslog Level:	NONE
NTP Server:	us.pool.ntp.org (URI or IP address)
	Allow DHCP Option 42 to override NTP server:
	No res
Distinctive Ring Tone:	Custom ring tone 2, used if incoming caller ID is
Distinctive King Tone.	Custom ring tone 3. used if incoming caller ID is
System Ring Tone:	f1=440,f2=480,c=200/400;
	Dial Tone f1=350.f2=440:
	Message Waiting f1=350.f2=440.c=10/10:
	Ring Back Tone f1=440 f2=480 c=200/400:
6 U.B. 100 B. 100 B.	Call-Waiting Tone f1=440 f2=440 c=25/525:
Call Progress Tones:	Busy Tone f1=480 f2=620 c=50/50
	Reorder Tone f1=480 f2=620 c=25/25:
	Syntax: f1=val, f2=val[, c=on1/off1[-on2/off2[-on3/off3]]];
	(Frequencies are in Hz and cadence on and off are in 10ms)
Disable Call-Waiting:	💿 No 🧿 Yes
Disable Call-Waiting Tone:	No Yes Yes
Disable Direct IP Calls:	No Ves
Use Quick IP-call mode:	No Ves
Disable Conference:	No O Yes
Lock Keypad Update:	No O Yes (configuration update via keypad is disabled if set to Yes)
Enable MPK sending DTMF:	No O Yes
Disable DND Button:	No Ves (MUTE/DEL button pressing will have no effect if set to Yes)
Disable Transfer:	No O Yes
Disable Multicast Filter:	No O Yes
Enable Constraint Mode:	No O Yes
Semi-attended Transfer Mode:	RFC5589 Send REFER with early dialog
Headset TX gain (dB):	+6 dB 🔻
Headset RX gain (dB):	+6 dB 🔻
Display Language	English Chinese
Dispiny Danguage.	© Secondary Language (Language File postfix)
	Update Cancel Reboot
	рис.6

Нажмите на кнопку «Update», затем нажмите кнопку «Reboot».

Для настройки **SIP-аккаунта** перейдите на вкладку **«ACCOUNT 1»**, и введите данные согласно рисунку 7 и 8.

STATUS ANAMED SETTINGS ACCOUNT 2 ACCOUNT 2 ACCOUNT 4 EXT 1 EXT 2 Account Active: No O''es (e.g., MyCompany) BEGAURT BADEC CEPBEPS SIP Server: appec CepBEPa (e.g., sip mycompanycon, or IP address) BEGAURT BADEC CEPBEPS SIP D (ch user part of an SIP address) BEGAURT BADEC CEPBEPA Authenticate D: SIP D (ch user part of an SIP address) BEGAURT PARTE Authenticate Password (not displayed for security protection) BEGAURT PARTE Name: SIP D (ont displayed for security protection) BEGAURT PARTE Authenticate Password (ont displayed for security protection) BEGAURT PARTE Name: SIP D (ont displayed for security protection) BEGAURT PARTE No Yes SIP C (ont displayed for security protection) BEGAURT PARTE No Yes SIP C (ont displayed for security protection) BEGAURT PARTE No Yes SIP C (ont displayed for security protection) BEGAURT PARTE No Yes SIP C (ont displayed for security protection) BEGAURT PARTE No Yes SIP C<	Gra	ndstrea	m Device Configuration
Account Active No Site Account Name (c, g, MyCompany) Besqure appec cepsep SIP Server appec cepsepa (c, g, sip mycompany.com, or IP address) Besqure Tororin SIP Server (c, g, sip mycompany.com, or IP address) Besqure Tororin SIP Server (c, g, sip mycompany.com, or IP address) Besqure Tororin SIP Server (c, g, sip mycompany.com, or IP address) Besqure Tororin SIP Server (c, g, sip mycompany.com, or IP address) Besqure Tororin Authenticate ID SIP D (c) the same or different from SIP UserID) Besqure Tororin Authenticate ID SIP D (c) the same or different from SIP UserID) Besqure Tororin Name SiP D (c) the same or different from SIP UserID) Besqure Tororin Name SiP D (c) the same or different from SIP UserID) Besqure Tororin SiP D SiP D (c) the same or different from SIP UserID) Besqure Tororin SiP D SiP D (c) the same or different from SIP UserID) Besqure Tororin SiP D SiP D SiP D SiP D Besqure Stratue No Yes SiP D SiP D	STATUS BASIC SETTINGS ADVANCED	SETTINGS	ACCOUNT 1 ACCOUNT 2 ACCOUNT 3 ACCOUNT 4 EXT 1 EXT 2
Account Active: No Yes Account Name: (e.g., MyCompany:om, or IP address) appec cepsepa (e.g., sip.mycompany.com, or IP address) appec cepsepa (e.g., sip.mycompany.com, or IP address) Beagure Jorun SIP User ID: SIP ID: (the user part of an SIP address) Beagure Jorun Authenticate Passwort: yespure napon. Authenticate Passwor			•
Account Name: (c.g., MyCompany) BBeagures appec cepsepa Outbound Proxy: appec cepsepa (c.g., proxymyprovide.com, or IP address) Bsegures Appec cepsepa Outbound Proxy: appec cepsepa (c.g., proxymyprovide.com, or IP address) Bsegures Appec cepsepa Outbound Proxy: appec cepsepa (c.g., proxymyprovide.com, or IP address) Bsegures Inspons Authenticate ID: Bsegures Inspons Authenticate Password (not displayed for security protection) Verpointerna Nume: SIP ID (cepsional, e.g., John Doe) Use DNS SRV: No Yes Support SIP Instance ID No Yes Support SIP Instance ID No Yes Support SIP Instance ID No Yes SIP T1 Timeout: Isse 'sse SIP T2 Interval: 4sec 'sse SIP T1 Timeout: Isse 'sse SUBSCRIBE for MUN No Yes SUBSCRIBE for Negistration Event: No Yes SUBSCRIBE for MUN No Yes	Account Active:	No	() Yes
Beegure appec ceppeps Beegure appec ceppeps Authenticate ID: Beegure apport Beegure apport Authenticate ID: Beegure apport Beegure apport Name: Use DNS SRV: No SIP D Cont displayed for security protection (optional, e.g., John Doe) (optional, e.g., John Doe) (optional, e.g., John Doe) (optional, e.g., John Doe) (optional, e.g., John Doe) SIP Registration SIP Registration SIP Registration SIP Registration SIP Tal Instance ID SIP Tal Instance	Account Name:		(e.g., MyCompany)
Beegure Appec cepsepa Outbound Proxy: Beegure Логин SIP User ID: Beegure Логин Authenticate D: Beegure napone Authenticate Password VCTPORICTBA Authenticate D: Beegure napone Authenticate D: Beegure napone Authenticate D: Beegure napone Authenticate D: Beegure napone Authenticate D: Beegure napone Authenticate D: Beegure napone Authenticate D: Beegure napone Name: SIP ID (cen be same or different from SIP UserID) password (not displayed for security protection) password (not displayed for security protection) Support SIP Instance ID No © Yes SUBSCRIBE for MWI: © No © Yes SUBSCRIBE for MWI: © No © Yes Proxy-Require: Proxy-Require: Proxy-Require: Proxy-Require: Proxy-Require: Proxy-Require: Proxy-Require: Proxy-Require: Password (not displayed for seconds) BLF Call-pickup Prefix: Pashe Call Fearwere: Possword (not call sourds) Cog All Calls Call Log: Paskword (not displayed for seconds) Pased Call Cog Password (not displayed for seconds) Password (Введите адрес сервер SIP Server:	адрес	сервера (e.g., sip.mycompany.com, or IP address)
Baegwre florum SIP User ID: SIP ID (the user part of an SIP addres) Baegwre florum Authenticate ID: SIP ID (can be same or different from SIP UserID) password (not displayed for security protection) password (not displayed for security protection) (optional, e.g., John Doe) User ID is phone number 0 No 0 Yes User ID is phone number 0 No 0 Yes User ID is phone number 0 No 0 Yes Uaregister On Reboot 0 No 0 Yes Support SIP Instance ID 0 (in minutes. default 1 hour, max 45 days) local SIP port 1 (default 5060) SIP Registration Failure Retry Wait Ine: 20 (in seconds. Between 1-3600, default is 20) SIP T1 Intereat: 4 sec - SIP T2 Intereat: 4 sec - SIP T2 Intereat: 4 sec - SUBSCRIBE for MUH: 0 No 0 Yes NAT Traversal (STUN) 0 No 0 Yes SUBSCRIBE for MUH: 0 No 0 Yes FUBLISH for Presence: 0 No 0 Yes FUBLISH for Presence: 0 No 0 Yes SUBSCRIBE for MUH: 0 No 0 Yes FUBLISH for Presence: 0 No 0 Yes FUBLISH for Presence: 0 No 0 Yes SUBSCRIBE for Requistration Fuel 0 (UserID for voice mail system) Cuser Mail UserID: 0 No 0 Yes (UserID for voice mail system) SubsCRIBE for Requistration Fuel 0 (this prefix sting is added to each dialed number) Early Dial Plan Prefix: 0 (this prefix sting is added to each dialed number) BLF Call-pickup Prefix: 0 (this prefix sting is added to each dialed number) Clog All Calls Call Call Call Call Call Call Call Call Call Call Call Call Call Call Call Call Call Call	Введите адрес сервера Outbound Proxy:	адрес	сервера (e.g., proxy.myprovider.com, or IP address)
BiseAprire Inorusi Authenticate ID: SIP ID (can be same or different from SIP UserID) BiseAprire naPonha Authenticate Password (not displayed for security protection) verpointing Authenticate Password (not displayed for security protection) Use DNS SRV: 9 No Yes Use TD is phone number: 0 No O'res SIP Registration: 0 No Yes Unregister On Rebot: 9 No Yes Support SIP Instance ID 9 No Yes Registration: 30 (in minutes. default 1 hour, max 45 days) local SIP port: 7071 (default 5060) SIP Registration Failure Retry Wait Tim: 20 (in seconds. Between 1-3600, default is 20) SIP T1 Inneout: 1 sec - . SIP T2 Interval: 4 sec - . SUBSCRIBE for MWI: 0 No Yes SUBSCRIBE for MWI: 0 No Yes SUBSCRIBE for Agitation Event: 0 No Yes Proxy-Require: 0 No Yes SUBCRIBE for Registration Event: 0 No Yes' only for oxise mal system) SubSCRIBE for MWI: <td< th=""><th>Введите Логин SIP User ID:</th><th>SIP ID</th><th>(the user part of an SIP address)</th></td<>	Введите Логин SIP User ID:	SIP ID	(the user part of an SIP address)
BisBeguite insponse Authenticate Password password (opt displayed for security protection) Verpoint and the particulation of the p	Введите Логин Authenticate ID:	SIP ID	(can be same or different from SIP UserID)
Name SIP ID (optional, e.g., John Doe) Use DNS SRV: • No • Yes User D is phone number: • No • Yes SIP Registration: • No • Yes Support SIP Instance ID • No • Yes Support SIP Instance ID • No • Yes Register Expiration: 30 • Yes Jocal SIP port 7071 (default 1our, max 45 days) Jocal SIP port 7071 (default 5060) SIP Registration Failure Retry Wait Time 20 (in seconds. Between 1-3600, default is 20) SIP T1 Timeout 1sec - - SIP T2 Interval 4sec - - SIP T2 Interval 4sec - - SIP T3 Symmetric Routing • No • Yes SUBSCRIBE for Mey • No • Yes SUBSCRIBE for Presence • No • Yes PUBLISH for Presence • No • Yes (user Yes" only if proxy supports 484 response) Forey -Requita • No • Yes (user Yes" only if proxy supports 484 response) BLF Call Pickup Prefix <t< th=""><th>устройства Authenticate Password:</th><th>passw</th><th>ord (not displayed for security protection)</th></t<>	устройства Authenticate Password:	passw	ord (not displayed for security protection)
Use DNS SRV: ● No ● Yes User ID is phone number: ● No ● Yes SIP Registration: ● No ● Yes Support SIP Instance ID ● No ● Yes Support SIP Instance ID ● No ● Yes Register Expiration: 30 (in minutes. default 1 hour, max 45 days) local SIP por: (277) (default 5060) SIP Registration Failure Retry Wait Time: 20 (in scoods. Between 1-3600, default is 20) SIP T1 Timeout: 1sec ▼ - SIP T2 Interval: 4sec ▼ - SIP T2 Interval: 4sec ▼ - SUBSCRIBE for Registration Evoting: ● No ● Yes - SUBSCRIBE for Registration Evoting: ● No ● Yes - SUBSCRIBE for Registration Evote: ● No ● Yes - PUBLISH for Presence: ● No ● Yes - Sub OTHF: ● n-audo: - - Voice Mail UserID: - - - Voice Mail UserID: ● No ● Yes (use "Yes" only if proxy supports 484 response) - Dial Plan Prefix: (this prefix string is added to each dialed number) <	Name:	SIP ID	(optional, e.g., John Doe)
User ID is phone number: No Yes SIP Registration: No Yes Unregister On Reboot: No Yes Support SIP Instance ID No Yes Register Expiration: 30 (in minutes. default 1 hour, max 45 days) local SIP port: 7071 (default 5060) SIP Registration Failure Retry Wait Time: 20 (in seconds. Between 1-3600, default is 20) SIP T1 Inneout: 15ec - SIP T2 Interval: 4sec - SIP Tansport: UDP TCP Use RFC3581 Symmetric Routing: No Yes SUBSCRIBE for MWI: No Yes SUBSCRIBE for Registration Event: No Yes SUBSCRIBE for Registration Event: No Yes PUBLISH for Presence: No Yes Purget In-andio Ivia RTP (RFC2833) via SIP INFO Early Dia! No Yes (userTD for voice mail system) Imadus Send DTMF: In-andio Ivia RTP (RFC2833) via SIP INFO Early Dia! No Yes (userYes' only if proxy supports 484 response) <td< th=""><th>Use DNS SRV:</th><th>No</th><th>O Yes</th></td<>	Use DNS SRV:	No	O Yes
SIP Registration: No Yes Unregister On Reboot: No Yes Support SIP Instance ID No Yes Register Expiration: 30 (in minutes. default 1 hour, max 45 days) local SIP port: 7071 (default 5060) SIP Registration Failure Retry Wait Time: 20 (in seconds. Between 1-3600, default is 20) SIP T1 Timeout: 1sec SIP Transport: UDP TCP Use RFC3581 Symmetric Routing: No Yes NAT Traversal (STUN): No No Vise SUBSCRIBE for MWI: No Yes SUBSCRIBE for Registration Event: No Yes Proxy-Require: In-audio Vise RFC2333) via SIP INFO Proxy-Require: Voice Mail UserID: (UserID for voice mail system) Send DTMF: In-audio Via RTP (RFC2833) via SIP INFO Early Dial No Yes' res' only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each diade number) BLF Call-pickup Prefix: (this prefix string is added to each diade number) Delayed Call Forward Wait Time: 20 (Allowed range 1-120, in seconds.) Call Log: Log All Calls Log All Calls Call Log: Sension Expiration: 1800 (and Log: Log All Calls Log All Calls O Yes if yes; call features using star codes will be supported locally) Log All Calls Log All Calls Start Call Log: In s	User ID is phone number:	No	O Yes
Unregister On Reboot: No Yes Support SIP Instance ID No Yes Register Expiration: 30 (in minutes, default 1 hour, max 45 days) local SIP port 7071 (default 5060) SIP Registration Failure Retry Wait Time: 20 (in seconds. Between 1-3600, default is 20) SIP T1 Timeout: 1 sec - SIP T2 Interval: 4 sec - SIP T3 Transport: UDP TCP Use RFC3581 Symmetric Routing: No Yes No Yes SUBSCRIBE for MWI: No Yes SUBSCRIBE for Registration Event: No Yes PUBLISH for Presence: No Yes Proxy-Require: (UserID for voice mail system) See and DTMF: in-audio yia RTP (RFC2833) via SIP INFO BLF Call-pickup Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix	SIP Registration:	No	O Yes
Support SIP Instance ID No Yes Register Expiration: 30 (in minutes. default 1 hour, max 45 days) local SIP port: 7071 (default 5060) SIP Registration Failure Retry Wait Time: 20 (in seconds. Between 1-3600, default is 20) SIP Tansport: 9 0 TCP SIP Tansport: 0 Ves SIP SIP Transport: 0 Ves Ves NAT Traversal (STUN): No Ves Ves SUBSCRIBE for MVI: 0 No Yes SUBSCRIBE for Registration Evert: 0 No Yes PUBLISH for Presence: 0 No Yes Proxy-Require: (UserID for voice mail system) Send DTMF: in-audio Via RTP (RFC2833) via SIP INFO Early Dia! 0 No Yes (use "Yes" only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each dialed number) Log All Calls BLF Call-pickup Prefix: (this prefix sis pre	Unregister On Reboot:	No	Yes
Register Expiration: 30 (in minutes. default 1 hour, max 45 days) local SIP port: (201) (default 5060) SIP Registration Failure Retry Wait Time: 20 (in seconds. Between 1-3600, default is 20) SIP T1 Timeout: 1 sec . SIP T2 Interval: 4 sec . SIP Tansport: 0 UDP TCP Use RFC3581 Symmetric Routing: 0 No Yes NAT Traversal (STUN): 0 No Yes SUBSCRIBE for MWI: 0 No Yes SUBSCRIBE for Registration Event: 0 No Yes PUBLISH for Presence: 0 No Yes Proxy-Require:	Support SIP Instance ID	No	Yes
local SIP port 7071 (default 5060) SIP Registration Failure Retry Wait Time: 20 (in seconds. Between 1-3600, default is 20) SIP T1 Timeout: 1sec . SIP T2 Interval: 4sec . SIP Tansport: 0 UDP TCP Use RFC3581 Symmetric Routing: 0 No Yes NAT Traversal (STUN): 0 No Vo. SUBSCRIBE for Megistration Event: 0 No Yes SUBSCRIBE for Registration Event: 0 No Yes PUBLISH for Presence: 0 No Yes Voice Mail UserID:	Register Expiration:	30	(in minutes. default 1 hour, max 45 days)
SIP Registration Failure Retry Wait Time: 20 (in seconds. Between 1-3600, default is 20) SIP T1 Timeout: 1sec SIP T2 Interval: 4sec SIP Tansport: 0 UDP TCP Use RFC3581 Symmetric Routing: 0 No Yes NAT Traversal (STUN): 0 No Yes SUBSCRIBE for Registration Event: 0 No Yes SUBSCRIBE for Registration Event: 0 No Yes PUBLISH for Presence: 0 No Yes PUBLISH for Presence: 0 No Yes PUBLISH for Presence: 0 No Yes Voice Mail UserID: UserID for voice mail system) 0 No Send DTMF: in-audo Yes Nats Trip Yes" only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix si prepended when answering call with BLF key) Delayed Call Fortward Wait Time: 20 (Allowed range 1-120, in seconds.) Enable Call Features: No Yes fiyes, call features using star codes will be supported locally) O Log All Calls O Log All Calls O Log All Calls Call Log <	local SIP port:	7071	(default 5060)
SIP T1 Timeout: 1 sec SIP T2 Interval: 4 sec SIP T2 Interval: 4 sec SIP Tansport: 0 UDP TCP Use RFC3581 Symmetric Routing: 0 No Yes NAT Traversal (STUN): 0 No NAT Traversal (STUN): 0 No Yes SUBSCRIBE for MWI: 0 No Yes SUBSCRIBE for Registration Event: 0 No Yes PUBLISH for Presence: 0 No Yes Publish for Presence: Yoice Mail UserID: Yoice Mail UserID: Send DTMF: In-audo Yes (use "Yes' only if proxy supports 484 response) Dial Plan Prefix: Yes (use "Yes' only if proxy supports 484 response) Dial Plan Prefix: Yes (use "Yes' is yre fix is prepended when answering call with BLF key) Delayed Call Forward Wait Time: 20 Yes if yes, call features using star codes will be supported locally) Disable Call Log Session Expiration: 1800 (in seconds. default 180 seconds)	SIP Registration Failure Retry Wait Time:	20	(in seconds. Between 1-3600, default is 20)
SIP 12 Interval: 4 sec • SIP Tansport: UDP TCP Use RFC3581 Symmetric Routing: No Yes NAT Traversal (STUN): No No, but send keep-alive Yes SUBSCRIBE for MWI: No Yes SUBSCRIBE for Registration Event: No Yes PUBLISH for Presence: No Yes PUBLISH for Presence: No Yes Proxy-Require: (UserID for voice mail system) Send DTMF: in-audio via RTP (RFC2833) Send DTMF: in-audio Yes (use "Yes" only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix string is added to each dialed number) Call Log Yes fyes, call features using star codes will be supported locally) Call Log O Yes fyes, call features using star codes will be supported locally Disable Call Log Disable Call Log Session Expiration: 1800 Min -SE: 90 Tore Tore	SIP T1 Timeout:	1 sec ·	
SIP Transport Image: Construct of Con	SIP T2 Interval:	4 sec 🔻	
Use RFC3581 Symmetric Routing: No Yes NAT Traversal (STUN): No No No, but send keep-alive Yes SUBSCRIBE for MWI: No Yes No Yes SUBSCRIBE for Registration Event: No Yes PUBLISH for Presence: No Yes PUBLISH for Presence: No Yes Publication Event: No Yes Yes (UserID for voice mail system) Send DTMF: In-audio Yes (use "Yes" only if proxy supports 484 response) Yes Yes Yes Yes<th>SIP Transport:</th><th>UDP</th><th>O TCP</th>	SIP Transport:	UDP	O TCP
NAT Traversal (STUN): No No, but send keep-alive Yes SUBSCRIBE for MWI: No Yes SUBSCRIBE for Registration Event: No Yes PUBLISH for Presence: No Yes PUBLISH for Presence: No Yes Proxy-Require:	Use RFC3581 Symmetric Routing:	No	O Yes
SUBSCRIBE for MWI: No Yes SUBSCRIBE for Registration Event: No Yes PUBLISH for Presence: No Yes Proxy-Require: Voice Mail UserID: (UserID for voice mail system) Send DTMF: in-audio Via RTP (RFC2833) via SIP INFO Early Dial: No Yes (use "Yes" only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix is prepended when answering call with BLF key) Delayed Call Forward Wait Time: 20 (Allowed range 1-120, in seconds.) Enable Call Features: No Yes if yes, call features using star codes will be supported locally) Clog All Calls Call Log Disable Call Log Session Expiration: 1800 (in seconds.) default 180 seconds) Min-SE: (in seconds. default and minimum 90 seconds) 	NAT Traversal (STUN):	No	No, but send keep-alive O Yes
SUBSCRIBE for Registration Event: No Yes PUBLISH for Presence: No Yes Proxy-Require: Voice Mail UserID: (UserID for voice mail system) Send DTMF: in-audio via RTP (RFC2833) via SIP INFO Learly Dial: No Yes (use "Yes" only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: Imable Call Forward Wait Time: (Allowed range 1-120, in seconds.) Log All Calls Log All Calls Log Incoming/Outgoing only (Missed calls NOT recorded) Disable Call Log Session Expiration: (in seconds. default 180 seconds) Min-SE: (in seconds. default and minimum 90 seconds) 	SUBSCRIBE for MWI:	No	◎ Yes
PUBLISH for Presence: No Yes Proxy-Require: (UserID for voice mail system) (UserID for voice mail system) Send DTMF: in-audio via RTP (RFC2833) via SIP INFO Early Dial: No Yes (use "Yes" only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix is prepended when answering call with BLF key) Delayed Call Forward Wait Time: (Allowed range 1-120, in seconds.) Enable Call Features: No Yes if yes, call features using star codes will be supported locally) Log All Calls Call Log Session Expiration: 1800 (in seconds. default 180 seconds) Min-SE: (in seconds. default and minimum 90 seconds) 	SUBSCRIBE for Registration Event:	No	Yes
Proxy-Require: Image: Control of the control of th	PUBLISH for Presence:	No	© Yes
Voice Mail UserID: (UserID for voice mail system) Send DTMF: in-audio Carly Dial: No Early Dial: No Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix is prepended when answering call with BLF key) Delayed Call Forward Wait Time: 20 No Yes if yes, call features using star codes will be supported locally) Enable Call Log: 0 log Incoming/Outgoing only (Missed calls NOT recorded) Objable Call Log: 1800 Min-SE: 90	Proxy-Require:		
Send DTMF: in-audio Ivia RTP (RFC2833) via SIP INFO Early Dial: No Yes (use "Yes" only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix is prepended when answering call with BLF key) Delayed Call Forward Wait Time: 20 (Allowed range 1-120, in seconds.) Enable Call Features: No Yes if yes, call features using star codes will be supported locally) O Log All Calls 0 Log Incoming/Outgoing only (Missed calls NOT recorded) O Disable Call Log 1800 (in seconds. default 180 seconds) Min-SE: 90 (in seconds. default and minimum 90 seconds)	Voice Mail UserID:		(UserID for voice mail system)
Early Dial: No Yes (use "Yes" only if proxy supports 484 response) Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix is prepended when answering call with BLF key) Delayed Call Forward Wait Time: (Allowed range 1-120, in seconds.) Enable Call Features: No Yes if yes, call features using star codes will be supported locally) Call Log: Log All Calls Call Log Session Expiration: 1800 (in seconds. default 180 seconds) Min-SE: (in seconds. default and minimum 90 seconds)	Send DTMF:	🔲 in-au	idio 🔟 via RTP (RFC2833) 🔲 via SIP INFO
Dial Plan Prefix: (this prefix string is added to each dialed number) BLF Call-pickup Prefix: (this prefix is prepended when answering call with BLF key) Delayed Call Forward Wait Time: 20 (Allowed range 1-120, in seconds.) Enable Call Features: Image: Not the string of	Early Dial:	No	Yes (use "Yes" only if proxy supports 484 response)
BLF Call-pickup Prefix: (this prefix is prepended when answering call with BLF key) Delayed Call Forward Wait Time: 20 Enable Call Features: Image: The State Call Calls Image: Call Log: Image: Call Log Session Expiration: 1800 Min-SE: 90 Image: Call Call Calls	Dial Plan Prefix:		(this prefix string is added to each dialed number)
Delayed Call Forward Wait Time: 20 (Allowed range 1-120, in seconds.) Enable Call Features: Image: No Image: Ves if yes, call features using star codes will be supported locally) Image: Image: Call Log Image: Call Log Image: Call Log Session Expiration: Image: Call Log Image: Call Log Image: Image: Call Log Image: Call Log Image: Call Log Image: Image: Image: Call Log Image: Call Log Image: Call Log Image: Ima	BLF Call-pickup Prefix:		(this prefix is prepended when answering call with BLF key)
Enable Call Features: No Yes if yes, call features using star codes will be supported locally) Log All Calls Call Log: Log Incoming/Outgoing only (Missed calls NOT recorded) Disable Call Log Session Expiration: 1800 (in seconds. default 180 seconds) Min-SE: 90 (in seconds. default and minimum 90 seconds)	Delayed Call Forward Wait Time:	20	(Allowed range 1-120, in seconds.)
 Log All Calls Call Log: Log Incoming/Outgoing only (Missed calls NOT recorded) Disable Call Log Session Expiration: 1800 (in seconds. default 180 seconds) Min-SE: 90 (in seconds. default and minimum 90 seconds) 	Enable Call Features:	No	Ves if yes, call features using star codes will be supported locally)
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Session Expiration: 1800 (in seconds. default 180 seconds) Min-SE: 90 (in seconds. default and minimum 90 seconds)	Call Log:	C Log I	ncoming/Outgoing only (Missed calls NOT recorded)
Min-SE: 90 (in seconds. default and minimum 90 seconds)	Section Frainting	1800	(in seconds, default 180 seconds)
will-SE: 50 (in seconds, detaut and millinum 50 seconds)	Session Expiration:	90	(in seconds, default and minimum 90 seconds)
	Mm-SE:	50	DIAC 7

При настройке телефона на обычную линию сети Телфин:

«SIP Server» / «Outbound Proxy» - voice.telphin.com:5068 «SIP User ID» / «Authenticate ID» / «Name» - номер линии, вида «000xxxxx» / «SIP ID» «Authenticate Password» - пароль устройства.

<u>При настройке телефона на добавочный виртуальной АТС «Телфин.</u>Офис»:

«*SIP Server*» / «*Outbound Proxy*» - адрес вашего «Телфин.Офиса», который указан в высланном вам на эл.почту файле PDF с данными по ATC.

«SIP User ID» / «Authenticate ID» / «Name» - SIP ID добавочного, вида «xxxx*номер_добавочного» «Authenticate Password» - пароль добавочного виртуальной АТС «Телфин.Офис».

ПРИМЕЧАНИЕ: Значение «local SIP port» на SIP-программах / SIP-устройствах, работающих в одной локальной сети, не должно совпадать. Задавать при этом можно любой порт, превышающий значение 5060, но не совпадающий с настройкой «local RTP port» (puc.5).

Caller Request Timer:	No	Yes (Request for timer when making outbound calls)
Callee Request Timer:	No	Yes (When caller supports timer but did not request one)
Force Timer:	No	Yes (Use timer even when remote party does not support)
UAC Specify Refresher:	◎ UAC	O UAS O Omit (Recommended)
UAS Specify Refresher:	• UAC	UAS (When UAC did not specify refresher tag)
Force INVITE:	No	Ves (Always refresh with INVITE instead of UPDATE)
Enable 100rel:	No	O Yes
Account Ring Tone:	 system custom custom custom 	ring tone ring tone 1 ring tone 2 ring tone 3
Ring Timeout:	60	(in seconds. Between 30-3600, default is 60)
Send Anonymous:	No	Yes (caller ID will be blocked if set to Yes)
Anonymous Method:	Use Fr	rom Header 💿 Use Privacy Header
Anonymous Call Rejection:	No	Yes
Auto Answer:	No	Yes
Allow Auto Answer by Call-Info:	No	© Yes
Turn off speaker on remote disconnect:	No	© Yes
Check SIP User ID for incoming INVITE:	No	◎ Yes
Refer-To Use Target Contact:	No	O Yes
Disable Multiple Media Attribute in SDP:	No	Установите список кодеков.
Preferred Vocoder: (in listed order)	choice choice choice choice	1: PCMU choice 5: PCMU pCMU choice 6: PCMU choice 7: PCMA PCMU choice 8: PCMA PCMA PCMU PCMA PCMU PCMU
SRTP Mode:	DisablEnable	ed © Enabled but not forced ed and forced © Optional
eventlist BLF URI:		
Special Feature:	Standard	
	_	
	Update	Cancel Reboot
All R	ights Reserved	Grandstream Networks Inc. 2004-2009

рис.8

Нажмите на кнопку **«Update»,** затем нажмите на кнопку **«Reboot» (рис.9)**

Grandstream Device Configuration STATUS BASIC SETTINGS ADVANCED SETTINGS 1 ADVANCED SETTINGS 2
Your configuration changes have been saved. They will take effect on next reboot. Reboot
All Rights Reserved Grandstream Networks, Inc. 2005
рис.9

Настройка закончена.

При необходимости использования функциональных клавиш «BLF(Busy Lamp Field)» или «Speed Dial» на вкладке «Basic Settings» выполните настройки в соответствии с рисунком 10.

	Name:	UserID: SIP ID отслеживаемого добавочного
-		
Multi Purpose Key 2.	Key Mode: Busy Lamp Field ((BLE) Account Account 1
Multi urpose Rey 2.	Name:	UserID: SIP ID отслеживаемого добавочного
Multi Purpose Key 3:	Key Mode: Busy Lamp Field ((BLF) Account: Account 1
infanti alpose file, et	Name:	UserID: SIP ID отслеживаемого добавочного
Multi Purpose Key 4:	Key Mode: Busy Lamp Field (I	BLF) - Account: Account 1 -
and the second second second	Name:	UserID: SIP ID отслеживаемого добавочного
Multi Purpose Key 5:	Key Mode: Busy Lamp Field ((BLF) - Account: Account 1 -
	Name:	UserID: SIP ID отслеживаемого добавочного
Multi Purpose Key 6:	Key Mode: Busy Lamp Field	(BLF) Account: Account 1
	Name:	UserID: SIP ID отслеживаемого добавочног
abstratement small south	and the second second second second	
Multi Purpose Key 7:	Key Mode: Speed Dial via ad	ctive account - Account: Account 1 -
Multi Purpose Key 7:	Key Mode: Speed Dial via ad Name:	ctive account ▼ Account: Account 1 ▼ UserID: SIP ID для быстрого вызова
Multi Purpose Key 7: Time Zone:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B	ctive account
Multi Purpose Key 7: Time Zone:	Key Mode: Speed Dial via ao Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over	ctive account Account: Account 1 UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) rride Time Zone setting:
Multi Purpose Key 7: Time Zone:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • rrride Time Zone setting:
Multi Purpose Key 7: Time Zone: Daylight Savings Time:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • rride Time Zone setting:
Multi Purpose Key 7: Time Zone: Daylight Savings Time:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes No Yes Optional Rule: 3.2,7.2,0;11,1,7,2	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • rrride Time Zone setting:
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On:	Key Mode: Speed Dial via av Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes Optional Rule: 3,2,7,2,0;11,1,7,2 No Yes	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • mride Time Zone setting:
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes Optional Rule: 3,2,7,2,0;11,1,7,2 No Yes 15 (0-20)	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) erride Time Zone setting:
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast: Time Display Format:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes Optional Rule: 3,2,7,2,0,11,1,7,2 No Yes 15 (0-20) 12 HOUR • 24 HOUR	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • rrride Time Zone setting: 2,0;60
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast: Time Display Format:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes Optional Rule: 3,2,7,2,0;11,1,7,2 No Yes 15 (0-20) 12 HOUR @ 24 HOUR Year-Month-Day	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • mide Time Zone setting: 2,0;60
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast: Time Display Format: Date Display Format:	Key Mode: Speed Dial via ao Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes No Yes No Yes 15 (0-20) 12 HOUR 24 HOUR Year-Month-Day Month-Day-Year	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) erride Time Zone setting:
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast: Time Display Format: Date Display Format:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes No Yes Dytional Rule: 3,2,7,2,0,11,1,7,2 No Yes 15 (0-20) 12 HOUR 24 HOUR Year-Month-Day Month-Day-Year @ Day-Month-Year	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) •rride Time Zone setting:
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast: Time Display Format: Date Display Format: y Clock instead of Date:	Key Mode: Speed Dial via ad Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes No Yes Dytional Rule: 3,2,7,2,0,11,1,7,2 No Yes 15 (0-20) 12 HOUR 24 HOUR Year-Month-Day Month-Day-Year Day-Month-Year No Yes	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • rrride Time Zone setting: 2,0;60
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast: Time Display Format: Date Display Format: y Clock instead of Date:	Key Mode: Speed Dial via av Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes Optional Rule: 3,2,7,2,0;11,1,7,2 No Yes 15 (0-20) 12 HOUR 24 HOUR Year-Month-Day Month-Day-Year Day-Month-Year No Yes No Yes No Yes No Yes	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • mide Time Zone setting: 2,0;60
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast: Time Display Format: Date Display Format: y Clock instead of Date: le in-call DTMF display:	Key Mode: Speed Dial via av Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes Optional Rule: 3,2,7,2,0;11,1,7,2 No Yes 15 (0-20) 12 HOUR 24 HOUR Year-Month-Day Month-Day-Year Day-Month-Year No Yes No Yes No Yes No Yes No Yes No Yes No Yes	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • rrride Time Zone setting: 2.0;60
Multi Purpose Key 7: Time Zone: Daylight Savings Time: D Backlight Always On: LCD Contrast: Time Display Format: Date Display Format: y Clock instead of Date: le in-call DTMF display: Mute Speaker Ringer:	Key Mode: Speed Dial via av Name: GMT+3:00 (Moscow, Kuwait, B Allow DHCP Option 2 to over No Yes No Yes No Yes Dytional Rule: 3,2,7,2,0,11,1,7,2 No Yes 15 (0-20) 12 HOUR 24 HOUR Year-Month-Day Month-Day-Year Day-Month-Year No Yes No Yes No Yes No Yes No Yes No Yes No Yes	ctive account • Account: Account 1 • UserID: SIP ID для быстрого вызова Baghdad, Tehran, Nairobi) • mide Time Zone setting: 2,0;60

рис.10