

Fax Boom T38 and AUDIO FAX over SIP (Quick Operation Guide) Release 3.5.1 June, 2009

Windows Vista Windows Server 2008 Windows Vista x64 Edition Windows Server 2008 x64 Edition Windows XP Windows Server 2003 Windows XP x64 Edition Windows Server 2003 x64 Edition

FaxVoip Software

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Introduction



Fax Boom: It is now possible to send faxes over Betamax SIP network. Fax Boom - fully-functional system of sending and receiving faxes over the Internet in real time (FOIP). Thanks to the support "FAX over G711" Fax Boom can send faxes through a network of SIP providers that do not support the protocol t38. You can send faxes through Betamax SIP network (Voipbuster, Sipdiscount, Internetcalls ...) Of course, high-quality t38 fax protocol is also supported.

What is **Fax Boom**? It is a SIP client with T38 and AUDIO Fax support. With **Fax Boom** you can send and receive T38 or AUDIO faxes without any hardware, additional Fax Software is not required.. You can use **Fax Boom** with your IP-SIP-PBX and with your SIP-Provider. It is possible to receive T38 or AUDIO faxes directly into TIFF or PDF files without using a standard fax software, and without limiting the number of incoming fax sessions. **Fax Boom** is a fully-functional system for receiving faxes to e-mail (**Fax -> Mail**). **Fax -> Mail** function allows you to receive faxes as e-mails with either PDF or TIFF attachments. The **Mail -> Fax** function allows you to send faxes directly from your email program (e.g. **Outlook Express**).

New in version 3.5.1

- Windows Vista x64 Edition and Windows Server 2008 x64 Edition Support Added.
- Recommendations relating to work correctly with pdf attachments using Mail to Fax function are added to the help system. You need to install Acrobat Wrapper program to ensure proper closing Adobe Reader after automatic printing. <u>http://www.biopdf.com/acrowrap/close_adobe_reader.php</u>

New in version 3.4.1

• Windows XP x64 Edition and Windows Server 2003 x64 Edition Support Added.

- Fixed some minor problems associated with the application icon in the System Tray. Library STrayIco.ocx is no longer used. All calls are now being implemented through API.
- The program no longer tries to install cdosys.dll. It is anticipated that the CDO (Collaboration Data Objects) is now part of Windows and the correct library is present in all supported systems by default.
- Added new icons for some files. This ensures a more comfortable viewing files in a folder on Vista/2008, especially if to use the "Large Icons" mode or the "Extra Large Icons" mode.

New in version 3.3.1

• Windows Vista and Windows 2008 Server Support Added.

New in version 3.1.1

• New design for "Fax Boom Control Panel" applied.

New in version 2.6.1

- Added the possibility to edit "SIP Display Name" and "SIP User Agent".
- Now you can send different faxes with different Fax Station ID and HeadLine.
- Added the possibility to change the timeout to access POP3 server.

New in version 2.4.1

- Added ability to send fax CNG signal using RFC2833 standard (in the case of t38). This is especially important for those countries where usually the operator answers the call first and then receives a fax. Another way to transmit the CNG fax tone when an outgoing call to switch to t38 after a short time after the connection, but it is not always and everywhere works correctly.
- Added "Caller ID" feature. Fax number of destination is also stored in the case of an incoming call.
- The program stores information about the protocol that was used when sending a fax (t38 or g711-audio).
- Some changes were made in the program "Log Book".

New in version 2.2.0

You can now check "Status of SIP registration" in the "Fax Boom Control Panel" (with error description).

New in version 2.1.0

You can now check "Status of SIP registration" in the "Fax Boom Control Panel".

New in version 2.0.0

- New feature: Fax Boom is now a fully-functional system for sending faxes via e-mail (Mail > Fax) and for receiving faxes to e-mail (Fax -> Mail). Mail -> Fax feature was added.
- Fixed a bug that caused failure in the process of installing a virtual Fax Boom printer (error has occurred for some regional settings). We also added testboom.exe utility. It allows you to reinstall Fax Boom printer without reinstalling the program.

New in version 1.2.1

Expires Header parametr for SIP registration timeout was added. Now it is possible to change it from Fax Boom Control Panel.

Windows Vista Support

If you install **Fax Boom** on your computer with **Windows Vista** you should read the information in this section.

- 1. Install **Fax Boom** using your **''Administrator''** account. Later you can configure the **Fax Boom** to work under other accounts, but you have to create shortcuts manually for other users.
- 2. **Fax Boom** install program allows "**Full control**" permission to the "**Users**" **Group** for all folders and files in the program installation folder. It is necessary for smooth operations with fax messages and log files

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Favorite Links			Name (Date modified T	ype	30 A
Documents				R D		
More »			100			
Folders		^	Adobe	Common Fa Files	r FaxBoom FaxVoip	+
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General Sharing Security Previous Versions C	Permissions	Audting Owner Effectiv	e Pernissiona			
Object name: E:/Program Files/FaxBoom	To view or	edit details for a permission e	ntry, select the enti	v and then click Edt.		
Group of user parties:	387-00	V208288 - 6697848	3			
SYSTEM	Object nam	e: E:\Program Files\Fax	Boom			
Standard (CER) (EP) (Administrators)	Permission	entries:			- 101 - 527C	
as users (SERVER (Users)	Туре	Nane	Pernission	Inherted From	Apply To	
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To change permissions, clock Edt.	Alow	SYSTEM	Full control	E:\Program Files\	This folder, subfolders and files	
Permissions for Users Allow	Allow	Administrators (SERVER1.	Full control	E:\Program Files\	This folder, subfolders and files	
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Modfy	Cieve	CREATON OWNER	special	c.shogan ness	Subjoiders and rices drivy	
Read & execute						
Read						
Wrte	Ede					
For special permissions or advanced settings.	[] Include	inheritable permissions from t	his object's parent			
Learn about access control and cernissions	Managing	permission entries				
OK Cancel					OK Cancel Acc	ply]

3. Fax Boom install program installs the compatibility option "Run this program in compatibility mode for Windows 98/ Windows Me" for "cfaxprotocol.exe" component for "all users". Failure to do so leads to the crash of the program at the end of the fax transmission using option "Fax Headline".

ne	General Compatibility Security D	cfaxprotocol Properties
fax	If you have problems with this progra an earlier version of Windows, select matches that earlier version. Compatibility mode Run this program in compatibility Windows XP (Service Pack 2)	Compatibility for all users If you have problems with this program and it worked correctly on an earlier version of Windows, select the compatibility mode that matches that earlier version. Compatibility mode IV Run this program in compatibility mode for:
xprotocol	Settings Run in 256 colors Run in 640 x 480 screen reso Disable visual themes Disable desktop composition Disable desktop composition	Windows 98 / Windows Me Settings Run in 256 colors Run in 640 x 480 screen resolution Disable visual themes Disable desktop composition
(bvm50	Privilege Level	Disable display scaling on high DPI settings Privlege Level Run this program as an administrator

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4. Fax Boom install program installs "Run this program as an administrator" option for "PrintSet.exe" and "testboom.exe" components for "all users". This is necessary to correctly uninstall/install the Fax Boom Printer using the "testboom.exe" utility without reinstalling the program.



- 5. Fax Boom is fully compatible with User Account Control (UAC). Nevertheless, if you have any problems you can try to disable User Account Control (UAC). If you choose to disable the UAC in Vista, follow the instructions below. If you disable UAC, it is also desirable to disable the Security Center Popup Notifications.
- 6. To view fax pictures (tiff-format), and for the correct operation of the Fax Boom Send Fax Wizard in Windows Vista and Windows Server 2008 is required to have installed the program "Windows Photo Gallery". It should also be noted that "Windows Photo Gallery" is not installed in Windows Server 2008 by default. To install the "Windows Photo Gallery" in the Windows Server 2008, you must install the "Desktop Experience" feature by using your "Server Manager". Installation instructions are below.

Disable User Account Control (UAC) on Windows Vista

Note: Disabling UAC will lead to a less secure system, so be warned. Open up Control Panel, and type in "UAC" into the search box. You'll see a link for "Turn User Account Control (UAC) on or off":

🖉 🖉 « Control Panel 🕨		▼ 49	uac		>
<u>File Edit View Tools H</u> el	р				
Control Panel Home	Re				
Classic View	26	User	rn User Acco	unt Control (UAC) on or
Dacant Tacks		C off	0	S	

On the next screen you should uncheck the box for "Use User Account Control (UAC)", and then click on the OK button.

<u>File</u> <u>E</u> di	it <u>V</u> iew <u>T</u> ools	<u>H</u> elp			
Turn on	User Account	Control (UA	C) to make yo	ur computer more sec	ure
User Accou recommen	int Control (UAC) d that you leave l	can help preven JAC turned on to	t unauthorized cha	anges to your computer. We computer.	
	,			1	
III Use Use	A contract Contract		rotect your compl	uter	
Use Use	r Account Contro	(UAC) to help p			

You'll need to reboot your computer before the changes take effect, but you should be all done with annoying prompts.

Disable Security Center Popup Notifications in Windows Vista

If you decide to turn off UAC, you'll be annoyed with popup messages from the Security Center that tell you to "Check your computer security". It's a good thing you can turn those messages off.



To disable the popup messages shown above, right-click on the little red shield icon and choose Open Security Center from the menu. You could also open Security Center from the start menu.



Click the link for "Change the way Security Center alerts me"



Now you'll see a dialog with three choices. Choose the bottom one if you don't want the notifications anymore.



Install "Windows Photo Gallery" in Windows Server 2008

To install **"Windows Photo Gallery"** in **Windows Server 2008** you need install **Desktop Experience.**

1. Click Start and select Server Manager



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2. When the Server Manager window appears, go to the left pane and select Features.



3. On the right, click the **Add Features** link.

Features	
View the status of features installed or	n this server and add or remove features.
Features Summary	Features Summary Help
Features: 0 of 34 installed	Add Features

4. Check the **Desktop Experience** checkbox

H [.NET Framework 3.0	
E	BitLocker Drive Encryption	Ĩ
	BITS Server Extensions	
	Connection Manager Administration Kit	
	Desktop Experience	
	Group Policy Management	
	Internet Printing Client	
	Internet Storage Naming Server	
	LPR Port Monitor	
H	Message Queuing	
	Multipath I/O	
	Network Load Balancing	
	Peer Name Resolution Protocol	
	Quality Windows Audio Video Experience	
	Remote Assistance	
+	Remote Server Administration Tools (Installed)	
	Removable Storage Manager	
	RPC over HTTP Proxy	
	Simple TCP/IP Services	
	SMTP Server	
H [SNMP Services	
	Storage Manager for SANs	

- 5. Click Next.
- 6. Click Install

7. When the installation is complete, **Windows** will notify you that you must restart your server to complete the process.



After you have rebooted, go to **All Programs** and make sure that the **"Windows Photo Gallery"** is installed.



Fax Boom Install

Installing a Trial Copy

The Fax Boom software can be installed as a temporary trial copy.

- The trial license can be used once on a given computer.
- The trial time period (30 days) begins when the software is installed.
- Up to 2 outgoing virtual fax lines (t38 or fax over G711) can be used.
- Unlimited number of incoming fax lines (t38 or fax over G711) can be used.

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Notes: If you later purchase a license, use the Licensing command in the **Fax Boom Control Panel** to enter the purchased license key. You do not have to reinstall the software. Your settings will be preserved.

Features

- SIP support, registration with SIP provider or SIP IP PBX
- STUN server support
- Audio Streaming: G.711 A-Law, G.711 u-Law
- Virtual Fax Boom Printer to prepare faxes
- Possibility to change SIP User Agent
- Audio (over G711) Real-time Fax over IP
- T.38 Real-time Fax over IP
- T.30 Fax Group 3 up to 14.400 Bauds
- Error Correction Mode (ECM)
- Receiving faxes directly into TIFF or PDF files
- Up to 100 virtual (T38 or fax over G711) fax lines
- Unlimited number of incoming fax sessions
- Redirection of incoming faxes to e-mail (Fax to Mail)
- Sending faxes from E-mails (Mail to Fax)

System Requirements

Platforms supported

- Intel-compatible PC with 32-bit or 64-bit (x64) processor.
- Windows Vista
- Windows Server 2008
- Windows Vista x64 Edition
- Windows Server 2008 x64 Edition
- Windows XP
- Windows Server 2003
- Windows XP x64 Edition
- Windows Server 2003 x64 Edition

Additional system requirements

- Microsoft.NET Framework 2.0 Service Pack 1
- Windows Picture and Fax Viewer installed (Windows XP/2003)
- Windows Photo Gallery installed (Windows Vista/2008)
- Adobe Acrobat Reader
- <u>Acrobat Wrapper</u> (to use PDF as attachments with Mail to Fax)

Fax Software compatibility

• Additional Fax Software is not required.

SIP compatibility

- **BETAMAX** (<u>Voipbuster</u>, <u>Sipdiscount</u>, <u>Internetcalls</u> etc.)
- Axon PBX

- Pbxnsip PBX
- Asterisk PBX
- Another SIP-based PBX

Network requirements

• A TCP/IP network connection from the local computer to the SIP server

Check for Microsoft.NET Framework 2.0 SP2

 Install Microsoft.NET Framework 2.0 Service Pack 2, if it is not installed on your PC. Start ->Settings ->Control Panel ->Add or Remove Programs ->Change or Remove Programs, Check for Microsoft.NET Framework 2.0 Service Pack 2 in the list of installed programs.

🐞 Add or Rem	ove Programs		
	Currently installed programs: 🛛 🗖 Show up <u>d</u> ates	Sort by: Name	
C <u>h</u> ange or Remove	🔢 Far Manager v1.70	Size	11,28MB
Programs	🌮 FaxVoip 2.3.1	Size	12,97MB
- -	K-Lite Codec Pack 3.5.7 Standard	Size	21,16MB
Add New	🜈 Microsoft .NET Framework 2.0 Service Pack 2	Size	194,00MB
	Click here for support information.	Used	rarely
	To change this program or remove it from your compute Change or Remove.	er, click Change	Remove
	🔂 Microsoft .NET Framework 3.0 Service Pack 2	Size	182,00MB
Components	🐻 Microsoft .NET Framework 3.5 SP1	Size	31,44MB
	Microsoft Office 2000 SR-1 Professional	Cino	20 00M0

2. If you did not find Microsoft.NET Framework 2.0 Service Pack 2 in the list of installed programs, download and install it before running Fax Boom Setup program. You can download it from our site

http://www.t38faxvoip.com/downloads/NetFx20SP1_x86.exe

or from Microsoft.

3. Run the Setup Fax Boom Program.

Removing the previous version.

Before new **Fax Boom** installation please uninstall the previous version of **Fax Boom**, using the standard procedures for **Windows**. Re-installing without uninstalling is not recommended. Moreover, if you install **Fax Boom** on a computer running **Windows Vista** or **Windows Server 2008**, this could lead to unpredictable consequences, as the installer in addition to copying files and folders installes certain permissions and attributes for folders and files of the program **Fax Boom**. In different versions of **Fax Boom** these attributes may vary.

If you want to keep previous **Fax Boom** settings and confident in their correctness, make a copy of **"settings.ini"** file before uninstall. After new installation, you can copy this file back to the installation folder of **Fax Boom**.

Note also that when you install or uninstall **Fax Boom**, information on your license is stored in the system. Thus there is no need to enter the license key again.

Run the Setup Program

1. Run "setup.exe" from your installation CD-ROM or ZIP archive.



- 2. Follow the **Setup Wizard**.
- 3. The **Setup** program runs the **Installing Fax Boom Virtual Printer Wizard**. During this process **Windows installation CD** may be required.



4. At the final window of the **Setup Wizard** check "**Launch Fax Boom**" and click **<Finish>** button. You will see "**Fax Boom Control Panel**" window. Follow the "**Sip, Fax and Mail settings**" instructions.



SIP, Fax and Mail settings

 You will see "Fax Boom Control Panel" window. With basic settings (as you can see in the picture below) you can accept SIP audio-fax calls to your Fax Boom program to 5060 Copyright © 2008-2009, FaxVoip Software (UDP) port from any network interfaces of your PC. If you do not know your SIP settings you can skip the next step during installation.

Eav Boom	SIP settings			
SIP	Display Name	138Faxvoip.com 30-day	vs Trial	
- 🕵 User Agent	Username (or SIP-ID)	FaxBoom		
Email	Password			
Lines	SIP Registrar Server	sip.voipbuster.com	: 5060	
- 😨 About	Outbound Proxy	· [
	STUN Server			
	Local SIP address	5 M	▼ 5060	
	☐ Reg	ister at SIP-server Ex	pires Header 30	
	En Deen Couries			
	Fax buoin Service	Conjetration status		
	START			
	STOP	Fax Boom status	Fax Boom Service is s	toped now!
	1			

2. Fill in your SIP Account details with the settings you received from your Service Provider or your Network Administrator. If you use one of the Betamax SIP providers, you need enter your username at Username field and your password at Password field.

SIP Settings

Fax Boom	SIP settings			
	Display Name	138faxvoip.com 30-days Tria	ľ.	
User Agent	Username (or SIP-ID)	user		
Email	Password	XXXXXXX		
- ଟ Lines	SIP Registrar Server	sip.voipbuster.com	: 5060	
	Outbound Proxy	sip.proxy.com	: 5065	
	STUN Server	stun, voipbuster, com		
	Local SIP address	н	▼ : 5060	
	🔽 Regis	ter at SIP-server Expires I	Header 30	
	-Fax Boom Service			
	Fax Boom Service	egistration status		
	Fax Boom Service START Re STOP	egistration status	Fax Boom Service is stoped n	iowl

Display Name

Text entered here appears on the display of the remote phone or fax when **Fax Boom** to make outgoing calls.

Note: The default "Display Name" value for unregistered version is "t38faxvoip.com 30days Trial" and you can not change it. The default "Display Name" value for registered version is "FaxBoom" but you can change it.

Username (or SIP-ID)

Account name or phone number.

Password

Password credential for authentication.

SIP Registrar Server (and Port)

Address of the SIP registrar server to be used. Registration with a registrar server may be required to receive inbound calls from a Proxy or Gateway (IP-PBX, ...).

Note: The default SIP port is 5060. If SIP port is 5060 you may not enter "5060" in Port field.

Examples:

sip.voipbuster.com sip.yourserver.com : 5064 192.168.0.5 : 5068

Outbound Proxy (and Port)

Address of the SIP proxy to be used. All outgoing calls will be routed through the SIP proxy (IP-PBX, ...)

Note: 1)The default SIP port is 5060. If SIP port is 5060 you may not enter "5060" in Port field. 2)As a rule your Outbound Proxy is equal your Registrar Server. In this case you may not enter your Outbound Proxy in this field. Examples:

> *sip.voipbuster.com myoutbound.com* : 5080 192.168.0.5 : 5075

STUN Server (and Port)

Address and port of the STUN Server to be used. Note: *The default STUN port is 3478. If STUN Server port is 3478 you may not enter ":3478" in STUN Server field.* Examples:

stun. voipbuster.com stun.yourstunserver.com:3478

Local SIP address (and Port)

Your Local Address and SIP port to be used to listen for SIP requests. All inbound calls will be routed to this Address and Port to listen for SIP requests; '*' is all interfaces. Note: 1)The default SIP port is 5060. If SIP port is 5060 you may not enter "5060" in Port field. 2)You can select '*' or '0.0.0.0'. In this case you can listen for SIP requests at all network interfaces .3) You need to use correct IP-address of your PC and free (from other SIP software) port here. If you have error in this fields, the Fax Boom server will not be able to start up.

Examples:

192.168.0.2 * : 5060 0.0.0.0. : 5065

Register at SIP-server

Check this box if you need to have a registration with your registrar (IP-PBX, ...). Note: 1) You can check your SIP registration at your PBX console. 2) You can also use your **Fax Boom** as a static SIP Peer to receive incoming calls without registration function. See "Using **Fax Boom** with Asterisk PBX", for example.

Expires Header

Expires Header parametr for SIP registration timeout. Default value is 30 sec.

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User Agent Settings

🐗 Fax Boom Control Pane	l v.3.1.1			×			
💽 Fax Boom 🤇	SIP User Agent						
SIP	SIP User Agent	FaxBoom		_			
Fax Fax Email Clines License About	Software Vendor FaxVoip Software						
ſ	Fax Boom Service Re	egistration status	Benistered 0	K			
	STANT	Fax Boom status	Fax Boom Service is ru	nning now!			
	STOP	and a second state of the					
	Apply	ок	Cancel	Help			

SIP User Agent

Information about the equipment or software used by SIP-user.

Note: The default "SIP User Agent" value for unregistered version is "Fax_Boom_30days_Trial www.t38faxvoip.com" and you can not change it. The default SIP User Agent value for registered version is "FaxBoom" but you can change it.

Software Vendor

Information about the Vendor or SIP software or hardware.

Note: The default "Software Vendor" value is "FaxVoip Software". You can change this value in registered version of Fax Boom.

Fax Settings

Fax Boom	Fax Settings			
SIP SIP User Agent	C T38 C aut	fio T38 fax mode C Wait C T38 📀 I	RFC2833 Fax Imag	e quality 200 C 200x100
Email	Fror Correction	Mode Fax Station ID +0	000 0000000	Save as tiff
y Lines	Fax HeadLine	Fax Boom Voip Fax		C Save as pdf
About	Use default H	leadLine and Station ID for all fax	es	
	Open TIFF comma	nd: explorer	•	
	Open PDF comma	nd: explorer	-	Default
		to cond a fau bu o mail IT. Soud	notification even if no f	
	Send faxes from	n e-mails Recepient's e-m	ail address:	ax message recorded
	- Fax Boom Service	<u>.</u>		
	CTADT	Registration status		
	SIANI			
	STOP	Fax Boom status	Fax Boom Service is	stoped nowl

Fax Protocol

t38

Select **t38**-option to use **t38 fax protocol** for fax sending and receiving. Your sipprovider must have the support of t38.

audio

Select **audio**-option to use **Fax over G711 codec** for fax sending and receiving. Use this option for sending faxes through SIP-network without the support of t38. Use this option with Betamax providers.

T38 faxmode

(for outgoing t38-calls)

Wait

Wait for t38-reinvite from another side after dialing a fax number. CNG-tone is not generated.

T38

Do not wait for t38-reinvite from another side after dialing a fax number. CNG-tone is generated, but this does not work with every t38 SIP provider or gateway.

RFC2833

Sending fax CNG signal using RFC2833 standard. This option works with every t38 SIP provider or gateway.

Fax Image quality

200x200 (Fine)

Select 200x200, if you want to send high-quality faxes.

200x100 (Normal)

Select 200x100, if you want to send faxes with normal quality.

"Normal" fax runs two times faster than the "Fine". You can use the property of **Fax Boom Printer** (Printer Preferences-> Advanced-> **Print Quality**) to adjust this parameter when printing a document.

Error Correction Mode

Check this option, if you want to use ECM (Error Correction Mode) for faxes. Using of ECM with t38 fax protocol is possible, but not recommended.

Fax Station ID

Default Fax ID of your virtual fax. Maximum length is 20 characters.

Fax HeadLine

Default Fax HeadLine. Maximum length is 50 characters. (You can use maximum 25 characters here if you want to test this function in Trial version of **Fax Boom**). At the top of each page is transmitted date, time, headline, page number. If this field is left blank, the header is not passed. In the trial version of **Fax Boom** header is always transmitted, and provides information about using of unregistered **Fax Boom** version.

Use default HeadLine and Station ID for all faxes

Check this Checkbox if you want to use default *Fax Station ID* and *Fax HeadLine* for all faxes. Do not check this checkbox if you want to have a possibility to change these fields for different faxes (using **Fax Boom** Printer).

Save as tiff

Select this option, if you want to receive faxes as TIFF files

Save as pdf

Select this option, if you want to receive faxes as PDF files

Open TIFF command

Enter command for your **TIFF viewer software** executable file here. You can use standart options: 1) **"explorer"** – to view TIFF files in system explorer window according your system settings. 2) **"rundll32 shimgvw.dll,ImageView_Fullscreen"** – to view TIFF files using **"Windows Picture and Fax Viewer"**. To select an executable, use a small button near the combobox.

Open PDF command

Enter command for your **PDF software** executable file here. You can use standart option: "**explorer**" – to view **PDF** files in system explorer window according your system settings. Or select path to your **Acrobat Reader** application, using small button near the combobox. After choosing the exe file, you will see something like

"C:\Program Files\Adobe\Reader 8.0\Reader\AcroRd32.exe" in the combobox.

Default

Use this button to enter standart values for "Open TIFF command" and "Open PDF command"

After reception to send a fax by e-mail

Check this box, if you want to redirect incoming faxes to e-mail address.

Send notification even if no fax messages recorded

Check this box, if you want to receive info about unsuccessful faxes to e-mail address *Recepient's e-mail address*

Incoming faxes will be delivered to this email address.

Send faxes from e-mails

Check this checkbox, if you want to use "**Mail to Fax function**". The **button right of** the checkbox "**Send faxes from emails**" allow you to edit **mail.ini** text file and change your **attachment's file formats** and **user's email restrictions** (for advanced users).

E-mail Settings

Fax Boom operates as a standard SMTP-POP3 mail client. You must have an account on the mail server of your provider. This account should not be used by other mail clients to receive and send regular mail.

Tax Boolin Control				
SIP	Sender's e-mail address:	faxserver@t38faxvoip.co	Sender's name:	FaxBoom
User Agent	SMTP Server:	smtp.t38faxvoip.com		Port: 25
	My server requires aut	hentication		
9 Lines	Login:	faxserver	Password:	XEXECUTION
About	POP3 settings		8	
	POP3 Server:	pop.t38faxvoip.com		Port: 110
	Login:	faxserver	Password:	XENEXEXEX.
		Check	for new message	s every 20 sec
	Fax Boom Service			
	START Reg	gistration status		
	STOP	ax Boom status	Fax Boom Service	is stoped now!
	Apply	ок	Cancel	Help

SMTP settings:

Sender's e-mail address

This e-mail must be known to SMTP server and will appear as a sender's e-mail address in your e-mail message

Sender's name

This name will appear as a sender's name in your e-mail message. The default name is **FaxBoom**, but you can leave it blank. In this case, the letter will be displayed sender's e-mail address instead of the name.

SMTP Server

Your SMTP server name.

Port

Your SMTP server port. Default value is "25".

My server requires authentication

Check this checkbox, if your SMTP server requires authentication.

Login

Username for SMTP server.

Password

Password for SMTP server.

POP3 settings:

POP3 Server

Your POP3 server name.

Port

Your POP3 server port. Default value is "110".

Login

Username for POP3 server.

Password

Password for POP3 server.

Check for new messages every ... sec

The interval for checking mail, using "Mail to Fax" function. This value can vary from 10 to 60 seconds.

Line Settings

🀗 Fax Boom Control Pa	nel v.3.1.1			X
Fax Boom SIP SIP Si User Agent Fax Email Comparison Cicense Cicense About	Line Settings 2 ▼ I Allow inc	Max number of outgoing calls		
	- Fax Boom Servic			
	START	Hegistration status		
	STOP	Pax Boom status	Fax Boom Service is	stoped now!
	Apply	ОК	Cancel	Help

Max number of outgoing calls

Select the number of simultaneous outgoing calls that you want to use. This number can not be more than your current license allows. Note that the possibility of initializing of outgoing call depends on the total number of calls (both outgoing and incoming). For example, if you have a license for 2 lines, and you already have 2 incoming calls, the outgoing call will be made only upon completion of one of the incoming calls.

Allow incoming calls

Check this box if you want to receive incoming calls. If you do not check this box, incoming calls will not be possible.

Voice Codec Settings

Transmission of audio-fax over IP is possible only over the G711 codec. To avoid misunderstanding, we did not add support for other voice codecs, such as G723 or GSM for t38-fax. If your t38 SIP provider does not support the G711, it is recommended to use the **Fax Voip** instead.

Fax Boom	SIP settings			
SIP	Display Name	138faxvoip.com 30-days T	rial	
User Agent	Username (or SIP-ID)	user		
Email	Password	MERSER		
Junes	SIP Registrar Server	sip.voipbuster.com	: 5060	
About	Outbound Proxy	sip.proxy.com	: 5065	
	STUN Server	stun, voipbuster, com		
	Local SIP address	×	▼ : 5060	
	🔽 Regis	ter at SIP-server Expire	is Header 30	
	Fax Boom Service			
	START Re	egistration status		
	STOP	Fax Boom status	Fax Boom Service is sto	ped now!

3. Click the **<Apply>** button to Save your settings. Follow the **"Compleating of the installation"** instructions.

Compleating of the installation

1. In **"Fax Boom Control Panel"** Click the **<OK>** button to complete the installation. You will see **Fax Boom** icon in **System Tray**:



2. To do correct SIP settings we recommend to read:

"Using Fax Boom with AXON PBX"

"Using Fax Boom with Asterisk PBX"

3. Additional Fax Software is not required for **Fax Boom**. **Fax Boom Virtual Printer** is installed and ready for fax printing and sending. See:

"Sending Faxes"

- 4. You can download trial version **AXON PBX** from our site or from site of developments of this program.
- 5. **Fax Boom** allow you to receive T38 or audio faxes directly into **TIFF** or **PDF** files. The number of inbound fax calls are not limited. See:

"Receiving Faxes"

6. **Fax Boom** allow you to receive faxes as e-mails with either **PDF** or **TIFF** attachments, using **"Fax to Mail"** feature. We recommend to read:

"Fax to Mail"

7. **Fax Boom** allow you send faxes via e-mail, using **"Mail to Fax"** feature. We recommend to read:

"Mail to Fax"

Fax Boom Control Panel

To open Fax Boom Control Panel

Click Start, point to All Programs, point to Fax Boom ; click Settings.

Fax Boom Control F Fax Boom Fax Boom	Panel v.3.1.1			×
User Agent Str Str Fax Email Unes License About		Fax Vers Copyright © Fa: All Righ REGISTER	Boom ion 3.1.1 Woip Software, LLC ts Reserved RED VERSION	
	Fax Boom Service START STOP	Registration status	Registered Fax Boom Service is	OK unning now!
	Apply	ок	Cancel	Help

<START>

Use this button to start Fax Boom Service.

<STOP >

Use this button to stop **Fax Boom Service**.

Registration status

This field indicates SIP Registration status (OK or description of error). This indicator works when the **Fax Boom Service** is running and the option "Register at SIP-server" is selected.

SIP Settings

🀗 Fax Boom Control Pa	anel v.3.1.1			×
Fax Boom	SIP settings			
	Display Name	FaxBoom		
User Agent	Username (or SIP-ID)	FaxBoom		
- M Email	Password	NKE.		
- ଟ Lines	SIP Registrar Server	sip.voipbuster.com	: 5060	
2 About	Outbound Proxy		:	
	STUN Server			
	Local SIP address	R.;	▼ : 5060	
	🔽 Regis	ter at SIP-server Exp	pires Header 30	
	Fax Boom Service			
	START Re	egistration status	Registered OK	
	0010	Fax Boom status	Fax Boom Service is runni	ing now!
	STOP			
	Apply	ОК	Cancel	Help

Display Name

Text entered here appears on the display of the remote phone or fax when **Fax Boom** to make outgoing calls.

Note: The default "Display Name" value for unregistered version is "t38faxvoip.com 30days Trial" and you can not change it. The default "Display Name" value for registered version is "FaxBoom" but you can change it.

Username (or SIP-ID)

Account name or phone number.

Password

Password credential for authentication.

SIP Registrar Server (and Port)

Address of the SIP registrar server to be used. Registration with a registrar server may be required to receive inbound calls from a Proxy or Gateway (IP-PBX, ...).

Note: The default SIP port is 5060. If SIP port is 5060 you may not enter "5060" in Port field.

Examples:

sip.voipbuster.com sip.yourserver.com : 5064 192.168.0.5 : 5068

Outbound Proxy (and Port)

Address of the SIP proxy to be used. All outgoing calls will be routed through the SIP proxy (IP-PBX, ...)

Note: 1)The default SIP port is 5060. If SIP port is 5060 you may not enter "5060" in Port field. 2)As a rule your Outbound Proxy is equal your Registrar Server. In this case you may not enter your Outbound Proxy in this field. Examples:

sip.voipbuster.com myoutbound.com : 5080 192.168.0.5 : 5075

STUN Server (and Port)

Address and port of the STUN Server to be used. Note: *The default STUN port is 3478. If STUN Server port is 3478 you may not enter ":3478" in STUN Server field.* Examples:

stun. voipbuster.com stun.yourstunserver.com:3478

Local SIP address (and Port)

Your Local Address and SIP port to be used to listen for SIP requests. All inbound calls will be routed to this Address and Port to listen for SIP requests; '*' is all interfaces. Note: 1)The default SIP port is 5060. If SIP port is 5060 you may not enter "5060" in Port field. 2)You can select '*' or '0.0.0.0'. In this case you can listen for SIP requests at all network interfaces .3) You need to use correct IP-address of your PC and free (from other SIP software) port here. If you have error in this fields, the Fax Boom server will not be able to start up.

Examples:

192.168.0.2 * : 5060 0.0.0.0. : 5065

Register at SIP-server

Check this box if you need to have a registration with your registrar (IP-PBX, ...). Note: 1) You can check your SIP registration at your PBX console. 2) You can also use your **Fax Boom** as a static SIP Peer to receive incoming calls without registration function. See "Using **Fax Boom** with Asterisk PBX", for example.

Expires Header

Expires Header parametr for SIP registration timeout. Default value is 30 sec.

User Agent Settings

Parameters considered here are used in the titles of SIP-messages and inform the SIP server about the program or equipment used by the user. We can not answer for the actions of users, but believe that in some cases be useful to have this opportunity. Therefore, we allow to change "SIP User Agent" and "Software Vendor" settings. However, this feature is not available in Trial version of **Fax Boom**.

🀗 Fax Boom Control Pane	l v.3.1.1 SIP User Agent			×
SIP SIP SIP SIP SIP SIP SIP SIP	SIP User Agent Software Vendor	FaxBoom FaxVoip Software		
	Fax Boom Service START STOP	egistration status	Registered C Fax Boom Service is n	IK .
	Apply	ок	Cancel	Help

SIP User Agent

Information about the equipment or software used by SIP-user.

Note: The default "SIP User Agent" value for unregistered version is "Fax_Boom_30days_Trial www.t38faxvoip.com" and you can not change it. The default SIP User Agent value for registered version is "FaxBoom" but you can change it.

Software Vendor

Information about the Vendor or SIP software or hardware.

Note: The default "Software Vendor" value is "FaxVoip Software". You can change this value in registered version of Fax Boom.

Fax Settings

Eax Boom	Fax Settings
SIP	Fax Protocol T38 fax mode Fax Image quality C T38 Image quality Image quality C T38 Image quality Image quality
Email	Fax Station ID +0 000 0000000 C Save as ti
Lines	Fax HeadLine Fax Boom Voip Fax C Save as p
About	☑ Use default HeadLine and Station ID for all faxes
	Open TIFF command: rundll32 shimgvw.dll.ImageView_Fullscreen 💌
	Open PDF command: explorer
	After reception to send a fax by e-mail V Send notification even if no fax message record
	After reception to send a fax by e-mail Send notification even if no fax message record Send faxes from e-mails Receptient's e-mail address: user@t38faxvoip.com
	After reception to send a fax by e-mail Send hotrication even if no fax message record Send faxes from e-mails Receptient's e-mail address: user@t38faxvoip.com Fax Boom Service
	After reception to send a fax by e-mail Send notification even if no fax message record Send faxes from e-mails Reception 's e-mail address: user@t38faxvoip.com Fax Boom Service START Registration status Registered OK
	After reception to send a fax by e-mail Send notification even if no fax message record Send faxes from e-mails Reception to send a fax by e-mail Fax Boom Service Image: send faxes from e-mails START Registration status STOP Fax Boom Service is running now!

Fax Protocol

t38

Select **t38**-option to use **t38 fax protocol** for fax sending and receiving. Your sipprovider must have the support of t38.

audio

Select **audio**-option to use **Fax over G711 codec** for fax sending and receiving. Use this option for sending faxes through SIP-network without the support of t38. Use this option with Betamax providers.

T38 faxmode

(for outgoing t38-calls)

Wait

Wait for t38-reinvite from another side after dialing a fax number. CNG-tone is not generated.

T38

Do not wait for t38-reinvite from another side after dialing a fax number. CNG-tone is generated, but this does not work with every t38 SIP provider or gateway.

RFC2833

Sending fax CNG signal using RFC2833 standard. This option works with every t38 SIP provider or gateway.

Fax Image quality

200x200 (Fine)

Select 200x200, if you want to send high-quality faxes.

200x100 (Normal)

Select 200x100, if you want to send faxes with normal quality.

"Normal" fax runs two times faster than the "Fine". You can use the property of **Fax**

Boom Printer (Printer Preferences-> Advanced-> **Print Quality**) to adjust this parameter when printing a document.

Error Correction Mode

Check this option, if you want to use ECM (Error Correction Mode) for faxes. Using of ECM with t38 fax protocol is possible, but not recommended.

Fax Station ID

Default Fax ID of your virtual fax. Maximum length is 20 characters.

Fax HeadLine

Default Fax HeadLine. Maximum length is 50 characters. (You can use maximum 25 characters here if you want to test this function in Trial version of **Fax Boom**). At the top of each page is transmitted date, time, headline, page number. If this field is left blank, the header is not passed. In the trial version of **Fax Boom** header is always transmitted, and provides information about using of unregistered **Fax Boom** version.

Use default HeadLine and Station ID for all faxes

Check this Checkbox if you want to use default *Fax Station ID* and *Fax HeadLine* for all faxes. Do not check this checkbox if you want to have a possibility to change these fields for different faxes (using **Fax Boom** Printer).

Save as tiff

Select this option, if you want to receive faxes as TIFF files

Save as pdf

Select this option, if you want to receive faxes as PDF files

Open TIFF command

Enter command for your **TIFF viewer software** executable file here. You can use standart options: 1) "**explorer**" – to view TIFF files in system explorer window according your system settings. 2) "**rundll32 shimgvw.dll,ImageView_Fullscreen**" – to view TIFF files using "**Windows Picture and Fax Viewer**". To select an executable, use a small button near the combobox.

Open PDF command

Enter command for your **PDF software** executable file here. You can use standart option: "**explorer**" – to view **PDF** files in system explorer window according your system settings. Or select path to your **Acrobat Reader** application, using small button near the combobox. After choosing the exe file, you will see something like

"C:\Program Files\Adobe\Reader 8.0\Reader\AcroRd32.exe" in the combobox.

Default

Use this button to enter standart values for "Open TIFF command" and "Open PDF command"

After reception to send a fax by e-mail

Check this box, if you want to redirect incoming faxes to e-mail address.

- Send notification even if no fax messages recorded
- Check this box, if you want to receive info about unsuccessful faxes to e-mail address *Recepient's e-mail address*

Incoming faxes will be delivered to this email address.

Send faxes from e-mails

Check this checkbox, if you want to use "**Mail to Fax function**". The **button right of** the checkbox "**Send faxes from emails**" allow you to edit **mail.ini** text file and change your **attachment's file formats** and **user's email restrictions** (for advanced users).

E-mail Settings

Fax Boom operates as a standard SMTP-POP3 mail client. You must have an account on the mail server of your provider. This account should not be used by other mail clients to receive and send regular mail.

🀗 Fax Boom Control P	anel v.3.1.1			×
SIP SIP User Agent Fax Email License About	Sender's e-mail address: SMTP Server: IV My server requires aut Login: PDP3 settings	faxserver@t38faxvoip.co smtp.t38faxvoip.com hentication faxserver	Sender's name: Password:	FaxBoom Port: 25
	POP3 Server: Login:	pop.138faxvoip.com faxserver Check	Password: for new message	Port: 110
	Fax Boom Service START Res STOP	gistration status ax Boom status	Register ax Boom Service	ed OK is running now!
	Apply	ОК	Cancel	Help

SMTP settings:

Sender's e-mail address

This e-mail must be known to SMTP server and will appear as a sender's e-mail address in your e-mail message

Sender's name

This name will appear as a sender's name in your e-mail message. The default name is **FaxBoom**, but you can leave it blank. In this case, the letter will be displayed sender's e-mail address instead of the name.

SMTP Server

Your SMTP server name.

Port

Your SMTP server port. Default value is "25".

My server requires authentication

Check this checkbox, if your SMTP server requires authentication.

Login

Username for SMTP server.

Password

Password for SMTP server.

POP3 settings:

POP3 Server

Your POP3 server name.

Port

Your POP3 server port. Default value is "110".

Login

Username for POP3 server.

Password

Password for POP3 server.

Check for new messages every ... sec

The interval for checking mail, using "Mail to Fax" function. This value can vary from 10 to 60 seconds.

Line Settings

🐗 Fax Boom Control P	anel v.3.1.1			×
Fax Boom SIP Si User Agent Fax Email Clicense About	Line Settings	Max number of outgoing calls		
	- Fax Boom Servic	e	Desident	
	START	Eav Boom status	neystereu t	
	STOP		Pax boolin Service is t	unning now
	Apply	ок	Cancel	Help

Max number of outgoing calls

Select the number of simultaneous outgoing calls that you want to use. This number can not be more than your current license allows. Note that the possibility of initializing of outgoing call depends on the total number of calls (both outgoing and incoming). For example, if you have a license for 2 lines, and you already have 2 incoming calls, the outgoing call will be made only upon completion of one of the incoming calls.

Allow incoming calls

Check this box if you want to receive incoming calls. If you do not check this box, incoming calls will not be possible.

Voice Codec Settings

Transmission of audio-fax over IP is possible only over the G711 codec. To avoid misunderstanding, we did not add support for other voice codecs, such as G723 or GSM for t38-fax. If your t38 SIP provider does not support the G711, it is recommended to use the **Fax Voip** instead.

Using Fax Boom with SIP Soft

Using Fax Boom with AXON PBX

- Axon is a virtual PBX for Windows or Linux designed to manage calls. Axon is a very easy PBX with support for fax t38 calls. You can download it from our site: <u>http://www.t38faxvoip.com/downloads/pbxsetup.exe</u> or from <u>http://www.nch.com.au/pbx/index.html</u>.
- 2. Example: we have our AXON PBX at 192.168.0.4:5061 and we have our Fax Boom at 192.168.0.2:5070. And we want to configure Fax Boom as an extension of AXON PBX with internal number 101. We also have our SIP provider: sip.provider.com . All calls from Fax Boom starting with "00" must go to our provider via AXON PBX, all calls from provider must go to our Fax Boom via AXON PBX. The call from Fax Boom to Number "101" must go to another Fax Boom line via AXON PBX (test). The picture below illustrates the basic using of Fax Boom with AXON PBX.



To install the AXON PBX

- 1. Follow the Axon PBX Setup Wizard.
- 2. It's important: if it is the first installation of **AXON PBX** do not install "Related Programs". Yor need to understand how **AXON PBX** works with **Fax Boom**. You can install these programs later, if you want to learn them.

Click on one of our Related Products to r would like to install and then Click Next.	ead a description. Select which programs you
 Express Talk VolP Softphone (Ret IVM Answering Attendant (Recom VRS Call Recording System IMS On-Hold Messages Player Quorum Uplink Skype to SIP Adapter 	Description Express Talk is softphone which works as a phone on any Windows PC. It also works as the 'driver software' for USB based phone extensions. If you do not have any IP phones to work as extensions (yet) then we recommend you download this software for use with Axon.

3. Create 1 or 2 Internal extensions. You do not know, if you need more extensions. You can create additional extensions later. Save username as "Admin" and password "free", you can change "user" and "password" later.

an Managara		
er Name:	Admin	
assword:		
	assword:	assword:

To configure the AXON PBX with Fax Boom

1. Open Axon **Web Control** in your Internet Explorer, enter your Username and Password and Click the **"Open Control Panel"** button.

Please enter your user nam User Name admin Password	e and password:
Open Con	© NCH Swift Sound

2. Select "Extensions"

22	Extensions ->	Actions:
		Add Extension
	Extensions are phones within your	Add External Line
0	organisation. They can be phones	Add Group or Queue
	you just plug into your network (IP phones), USB phones or	View Logs
	softphones. Use the Extensions	Related Software:
	section to add new extensions,	Express Talk Softphone
	change an extension or set the	IVM Answering Attendant
	outbound dialing plans.	IMS On-Hold Messages System
		Other telephony software
	External Lines>	
	Course and a first of the	Help (Manual)
	External lines are incoming phone	Axon Home Page
	numbers from the outside world.	Recommended VolP Telephone
	They can be a PSTN to VolP	Companies
	gateway service (for ordinary	Recommended VolP Hardware
	phone numbers), a SIP service for	

3. Click the **"Extension 101"** and check/modify settings for this extension. If you are not able to select Outbound Dialing Plan "main", skip this step for the first time. Click the **"Save Changes"** button.

		Extensions can be o	ne of
Extension		the following:	
Extension ID (or User Name):	101	IP Phones	*
Display Name:	101	USB Phones Softphones	*
Password		Other VolP Software	*
Outbound Dialing Plan:	main 👻	EXS Adapters	¥
- Voice Mail	•		
Use voice mail if not answer	red or busy		
Voice Mail Extension:	101 💌		
Time before Voice Mail (seconds):	14		
- Transfer if Not Answered			
Transfer the call if not answe	ered		
Transfer to Number	5 🗌 🗌		
Time before transfe (seconds)	f 14		
- Call Recorder	1		
Record Outgoing Calls			

Axon v 1.09

© NCH Swift Sound www.nch.com.au 4. Select the **"External Lines"**. Click the **"Add New External Line"** button.



5. Enter your SIP Account details here with the settings you received from your Service Provider. You can use the "Advanced Line Settings" button. if you need. Do not forget to set "Incoming Calls Ring On Extension... 101": this feature will be used for incoming calls to FaxVoip. Click the "Save Changes" button.





6. Click the "Add New Outbound Dialing Plan" Button in "Dialing Plans" window



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Ax011 V 1.09	www.nch.com.au

7. Enter a name for your New Outbound Dialing Plan (**"main"**) and Click the **"Save Changes"** Button.

Axon

Main | Sign Out | Help





8. Click "Add Dial Rule". You need to add Dial Rule to route all external calls (stats with "00", for example) to external line "provider"

Outbound Dialing realized Plan:	nain		
If number starts wi	th Remove digits	Prepend	Dial on line
	There are n	o items in this list	
Add Dial Rule			
If sip host is		Dial on line	
	There are n	o items in this list	
Add Sip Rule			
If none of the above applies, dial on line:	Extension]		
		Save Changes	Cancel
			@ NOUL Cuilt Court
Axon v 1.09			www.nch.com.au

9. In **"If number starts with"** field enter: **00**, In **"Dial on Line"** field select: **provider** . Click the **"Save Changes"** Button.

Please enter the o	ial based rule details:
f number starts with:	00
->Remove digits:	
->Prepend:	
->Dial On Line:	provider 💌
	Save Changes Cance

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10. Your outbound Dialing Plan "main" must be like here. Click the **"Save Changes"** Button.

Outboun Plan:	d Dialing	main]	
lf numbe starts with	r Remove digits	Prepend	Dial on line	
00	0		provider	1
Add Dia	al Rule			
lf sip h	ost is	Di	al on line	
	There ar	e no items	in this list	
Add Sig	o Rule			
If none o the abov applies, dial on line:	f /e [Extensio	n] 💌		
		Sa	ve Changes	Cancel
Axon	v 1.09		© NCH Swit	t Sound

11. Now you must go to "Extensions" and do some changes. In "Extension 101" <u>select</u> <u>"Outbound Dialing Plan": main.</u> Click the "Save Changes" Button.

- Extension			Extensions can be o the following:	ne of
Extension ID (or User	101		IP Phones	*
Display Name:	101		USB Phones Softphones	*
Password:			Other VolP Software	*
Outbound Dialing Plan:	main 💌		FXS Adapters	*
Voice Mail				
Use voice mail if not answe	red or busy			
Voice Mail Extension:	101			
Time before Voice Mail (seconds):	14			
- Transfer if Not Answered				
Transfer the call if not answer	ered			
Transfer to Numbe	с 🗌			
Time before transfe (seconds	er [14): [14			
Call Recorder				
Record Outgoing Calls				
Warning: Unnessary recording can cause Click here to set the Recorder Settings	delays on audio transmi	ilon		
Γ	Save Changes	Cancel		

Axon v 1.09	© NCH Swift Sound www.nch.com.au

12. In AXON PBX Console click the <Settings> button.



13. In **Settings** window check **"Local Sip Port to listen on"** field. Change it, if need. Click the <OK> button.

iettings	?
eneral Network Web Access	
Listening Local Port	
Local Sip Port to listen on:	5061
Local RTP ports to listen on starting from	8000
-Allowing Incoming Calls and Audio through into Private	e Networks
Use uPNP to find external IP Address	
✓ Use STUN servers to find external IP Address an	d Port
STUN Server 1:	stun, voipbuster, com
STUN Server 2:	stun.noc.ams-ix.net
🔲 Use static IP address and static mapped ports (Au	dvanced Option)
Public IP Address (if IP is static)	
External SIP port:	5060
External RTP port starting from	0008
Restore Default N	letwork Settings
Run Network S	Setup Wizard
	OK Cancel Help

14. In **Fax Boom Control Panel** you must change SIP-settings according to **AXON PBX** settings.

🐗 Fax Boom Control Par	nel v.1.2.0			×
- SIP settings				
Username (or SIP-ID)	101	Password	XXX	
SIP Registrar Server	192.168.0.4	5061	🔽 Register a	t SIP-server
Outbound Proxy			🔽 Allow inco	ming calls
Local SIP address	192168.0.2	5070	2	taximum 🦯
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Fax Boom Service				
START STOP		Fax Boom Se	rvice is running r	now!
Apply OK	Cancel	Help	About	Licensing

15. In **Fax Boom Control Panel** Click **<Apply>** button, then click **<STOP>** button, then click **<START>** button. In **AXON PBX** console you will see a message about registration.



Comments about using Fax Boom with AXON PBX

- To do outgoing fax call from Fax Boom, you need to print a document using Fax Boom Virtual Printer, set fax number to send a fax like "00XXXXXXXXXX" in Fax Boom SendBoom window and send a fax. Fax Boom works as an extension 101 of AXON PBX and calls according to dial-plan "main", according dial-rule for "00" to "provider".
- 2. Accepting inbound calls from external provider to **Fax Boom**: as the call is comming to **"Provider"** line in **AXON PBX**, **AXON PBX** redirects the call to Extension 101 (to **Fax**

Boom). Stable SIP registration is supported, so you do not need to provide static route to **Fax Boom** to work with Inbound Calls.

- 3. You can do a **test call** from one line to another using **AXON**. Do the test call from one line to number "101". The call will be redirected to another **Fax Boom** line. If the another fax line is in "autoanswer" mode, the fax call will be answered.
- 4. If you have problems with faxing using this construction, you can try to do some steps. If there are problems with AXON, you can try: 1) to provide external ip-address for your pc 2) to provide DMZ for PC with Fax Boom. 3) To install AXON PBX to another PC... The behaviour of voip-faxing depens on your SIP-provider, your sip and network environment, model of your router.
- 5. If you have problems with inbound faxes (no fax tone, when dialing to Fax Boom from external SIP Network), using Fax Boom with AXON PBX, as for inbound fax calls from external SIP Network to Fax Boom, it is important to check "Use static IP address and static mapped ports" option in AXON PBX "Network Settings" panel and enter "External SIP port" and "External RTP port starting from..." values. No need to enter your "Public IP address" here. You must also provide DMZ for PC with Fax Boom.

🗣 Settings	<u>? ×</u>			
General Network Web Access				
Listening Local Port				
Local Sip Port to listen on:	5060			
Local RTP ports to listen on starting from:	8000			
Allowing Incoming Calls and Audio through into Private	Networks			
☑ Use uPNP to find external IP Address				
Use STUN servers to find external IP Address and	Port			
STUN Server 1:	stun.fwdnet.net			
STUN Server 2:	stun01.sipphone.com			
Use static IP address and static mapped ports (Adv	vanced Option)			
Public IP Address (if IP is static):				
External SIP port:	5060			
External RTP port starting from:	8000			
Restore Default Ne	twork Settings			
Run Network Se	etup Wizard			
	OK Cancel Help			

Using Fax Boom with Asterisk PBX

Example: we have our **ASTERISK PBX** at **192.168.0.3:5060** and we have our **Fax Boom** at **192.168.0.2:5070**. And we want to configure **Fax Boom** as an extension to Asterisk with internal asterisk number **110**.

To configure Asterisk PBX with Fax Boom

- 1. Open your /etc/asterisk/sip.conf file.
- 2. In **T.38 FAX PASSTHROUGH SUPPORT** section you should activate support for T38-fax:

t38pt_udptl = yes ; Default false

3. In SIP device section you should add FaxVoip as your SIP device

[faxvoip] type=friend host=192.168.0.2 username=faxboom secret=password dtmfmode=rfc2833 nat=no canreinvite=no context=YourOutboundContext callerid=yourcallerid port=5070

- 4. Save and close your /etc/asterisk/sip.conf file.
- 5. Open your /etc/asterisk/extensions.conf file.
- 6. In your context for Inbound Fax Calls create the rule:

exten => 110,1,Dial(SIP/faxboom,90,g)

Route all calls to number 110 to Fax Boom;

- 7. Save and close your /etc/asterisk/extensions.conf file.
- 8. Restart your Asterisk PBX system.

To configure Fax Boom with Asterisk PBX

- 1. Open your Fax Boom Control Panel.
- 2. Do the following SIP-settings:

Username (or SIP-ID): faxboom Password: password SIP Registrar Server: 192.168.0.3:5060 Outbound Proxy: 192.168.0.3:5060 Local SIP address: 192.168.0.2:5070 Register at SIP-server: unchecked Allow incoming calls:checked Maximum number of outgoing calls: NUMBER

- 3. Click **<Apply>** button.
- 4. Restart your **Fax Boom Service**. Click **<STOP>** button, then click **<START>** button.

Comments about using Fax Boom with Asterisk PBX

1. Not all versions of Asterisk PBX support **T.38 FAX PASSTHROUGH.** Use **1.4** or **1.6** versions of Asterisk PBX, to send-receive T38-faxes.

- 2. Do not Register your **Fax Boom** with your Asterisk PBX. Asterisk works fine with **Fax Boom** without any registrations.
- 3. There are some troubles and bugs with T38 in Asterisk PBX. Asterisk PBX works fine for Incoming **Fax Boom** T38 Calls (**Fax Boom** is a Receiver of faxes). But there are some problems with Outgoing **Fax Boom** T38 Calls (**Fax Boom** is a Sender of faxes). The result depends on your T38-environment and your SIP-provider settings. We have a solution for this, this solution can help to resolve your problem, but it may not work. If you are interested in this solution, you can write a letter to our technical support and we can try to help.

Sending and Receiving Faxes

Send a Fax with Fax Boom Virtual Printer

To send a fax

- 1. Open the document you want to fax.
- 2. On the **File** menu, click **Print**. On the **Print** dialog box, select printer **Fax Boom**. Then, click **Print**.



3. On the **Fax Boom Send Fax Wizard** enter the recipient fax number in the **Fax number** field.

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added "caller DD" feature. Fax number of an incoming call.	I destination is also stored in the case of
the program stores information about the (138 or g/12-madie).	protocol that was used when sending a fax
time changes were made in the program "t	ing mode".
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Eax Boom Send Eax Wizard

X

- 4. Change your **Fax Station ID** and your **Fax Headline** if need. To allow to do these changes you need to uncheck "Use default Headline and Station ID for all faxes" in **Fax Boom Control Panel**.
- 5. Click **Send Fax** button.

Fax Boom will automatically call the fax numbers and send the fax. You can see results of fax sending in the **Fax Boom Log Book** application.

In Windows Vista and Windows 2008

Fax Boom Send Fax Wizard does not display a window with the image of the fax. This is due to the lack of "Windows Picture and Fax Viewer" in these operating systems. To view a fax, you can use <View Fax> button. This button opens up your fax image in the "Windows Photo Gallery". It should also be noted that "Windows Photo Gallery" is not installed in Windows Server 2008 by default. To install the "Windows Photo Gallery" in the Windows Server 2008, you must install the "Desktop Experience" feature by using your "Server Manager".

2. **"Fax Boom Send Fax Wizard"** window appears below the window of application from which you are printing. **"Fax Boom Send Fax Wizard"** icon in the taskbar "flashes". We are working on this problem but unfortunately the decision does not currently found.

Receiving Faxes as TIFF or PDF files

Fax Boom allow you to receive T38 or AUDIO faxes directly into TIFF or PDF files. The **Fax Boom Service** can redirect all incoming faxes into TIFF or PDF files. The number of incoming fax calls are not limited. You can choose to have your faxes delivered as either TIFF or PDF files. The default delivery format is TIFF. You can change the delivery format in **Fax Boom Control Panel**. Multi-page **TIFF viewer software** is required to view faxes sent as TIFF files, and **Adobe Acrobat Reader** is required to view faxes sent as PDF files. You can manage your faxes, using **Log Book Fax Boom** application. If your delivery format is TIFF, you can save received fax as either TIFF or PDF file in any place of your hard drive, using **Log Book Fax Book** application. If you can save received fax as PDF file.

Settings for Fax to TIFF (PDF)

- 1. Open your Fax Boom Control Panel.
- 2. Click "Fax" in TreeView.

🐗 Fax Boom Control Pa	v.3.1.1	×
Fax Boom SIP SIP Email Clines License About	Fax Settings T38 fax mode Fax Image quality C T38 audio C Wait C T38 RFC2833 C 200x200 2 Image contraction Mode Fax Station ID +0 000 0000000 Image contraction C Sa Fax HeadLine Fax Boom Voip Fax C Sa C Sa Image contraction ID Fax Boom Voip Fax C Sa Image contraction ID for all faxes C Sa Open TIFF command: rundll32 shimgvw. dll.ImageView_Fullscreen Image contraction Open PDF command: explorer Image contraction Image contraction After reception to send a fax by e-mail Send notification even if no fax message Send faxes from e-mails Recepient's e-mail address:	200x100 ave as tiff ave as pdf Default e recorded
	Fax Boom Service Registration status Registered OK START Fax Boom status Fax Boom Service is running nov STOP Fax Boom status Fax Boom Service is running nov	
	Apply OK Cancel	Help

- 3. Select **"Save as tiff"**, if you want to have your faxes delivered as TIFF files. Or select **"Save as pdf"**, if you want to have your faxes delivered as PDF files.
- 4. Enter or select your **TIFF viewer software** in "**Open TIFF command**" combobox. You can use standart options: 1) "**explorer**" to view TIFF files in system explorer window according your system settings. 2) "**rundll32 shimgvw.dll,ImageView_Fullscreen**" to view TIFF files using "**Windows Picture and Fax Viewer**".

- 5. Enter or select your PDF software in "Open PDF command" combobox. You can use standart option: "explorer" to view PDF files in system explorer window according your system settings. Or select path to your Acrobat Reader application, using small button near the combobox. After choosing the exe file, you will see something like "C:\Program Files\Adobe\Reader 8.0\Reader\AcroRd32.exe" in the combobox.
- 6. Click **<Apply>** button to save settings. To restart **Fax Book** server click **<STOP>** button, then click **<START>** button. You need also restart **Log Book** application, if you have changed **"Open TIFF command"** or(and) **"Open PDF command"**.

Fax Boom Log Book Application

Fax Boom Log Book Application allow you to manage incoming and outgoing faxes. To open Loog Book application, click "Open Loog Book", using Fax Boom icon menu in your Windows System Tray.



Using Loog Book, you can:

- 1) View fax info in real time mode.
- 2) View faxes, using **TIFF viewer software** and **Adobe Acrobat Reader**.
- 3) Save faxes as TIFF or PDF files
- 4) Delete log string or logfile.
- 5) Delete faxes.

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Viewing Faxes

To view fax image:

- 1. In **Log Book** select the line with fax info.
- 2. Double click the line or click **<View>** button or press **<F3>**.
- 3. You will see new window with fax picture.

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Saving Faxes

To save fax as another file:

- 1. In **Log Book** select the line with fax info.
- 2. Click **<Save As>** button or press **<Ctrl+S>**.
- 3. In system "Save As" Window select path to new file.
- 4. Select type of file: **Faxes**(*.tif) or Adobe **PDF Files**(*.pdf). Note, that if your delivery format is TIFF, you can save received fax as either TIFF or PDF file in any place of your hard drive. If your delivery format is PDF, you can save received fax as PDF file only.
- 5. Enter name for distanation file.
- 6. Click **<Save>** button.

Managing Faxes

In Log Book you can use following commands:

Command	Shortcut	Description
File->Refresh	F5	Refresh fax info
File->Fax Folder	<ctrl+f></ctrl+f>	Open folder with fax files
File->Exit	<ctrl+x></ctrl+x>	Close Log Book
Edit->View	F3	View fax file (TIFF or PDF)
Edit->Save As	<ctrl+s></ctrl+s>	Save a fax as another TIFF or PDF file

Edit->Delete Fax File	F8	Delete fax file
Edit->Delete Record	Del	Delete fax log record
Edit->Delete all faxes	<ctrl+f8></ctrl+f8>	Delete all fax files in fax folder
Edit->Delete all records	<ctrl+d></ctrl+d>	Delete all records in log file
Help->Help	F1	Display this help file
Help->About	<ctrl+a></ctrl+a>	Display "About" window

Fax to Mail

Fax Boom allow you to receive faxes as e-mails with either PDF or TIFF attachments. All you need is to have an account on the SMTP mail server (this account and the corresponding e-mail will be used to send faxes received via e-mail network) and indicate your target e-mail address (Any faxes will be delivered to this address).

Settings for Fax to Mail

- 1. Open your Fax Boom Control Panel.
- 2. Click "Fax" in TreeView.

🐗 Fax Boom Control	Panel v.3.1.1			×
Fax Boom SIP SIP SIP SIP SIP User Agent Email SI Lines License SIP License About	Fax Settings Fax Protocol C T38	Idio T38 fax mode C Wait C T38 In Mode Fax Station ID Fax Boom Voip Fax HeadLine and Station ID for a and: [rundli32 shimgvw.dll.lm and: [explorer In to send a fax by e-mail I S om e-mails Receptent's	RFC2833 Fax Ima C 200: F0 000 0000000 Il faxes ageView_Fullscreen end notification even if no e-mail address: [user@user.	ge quality 200 C 200x100 Save as tift Save as pdf Default fax message recorded erdomain com
	Fax Boom Service START STOP	Registration status	Registered Fax Boom Service is	OK running now!
	Apply	ОК	Cancel	Help

- 3. Select **"Save as tiff"**, if you want to have your faxes delivered as TIFF e-mail attachments. Or select **"Save as pdf"**, if you want to have your faxes delivered as PDF e-mail attachments.
- 4. Check "After reception to send a fax by e-mail" checkbox.
- 5. If you want to receive info about failed incoming faxes, check **"Send notification even if no fax message recorded"** checkbox.
- 6. Enter target e-mail in the **"Recepient's e-mail address"** field. Incoming faxes will be delivered to this email address.
- 7. Click **"Email"** in TreeView.

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	Fax Boom Service START Reg STOP Apply	Check gistration status ax Boom status 6	for new message: Registere Fax Boom Service Cancel	s every 20 sec ed OK is running now! Help

- 8. You must configure the **SMTP server**.
- 9. Enter your **Fax Boom** e-mail in the **"Sender's e-mail address"** field. This e-mail must be known to SMTP server and will appear as a sender's e-mail address in your e-mail message.
- 10. Enter your **Fax Boom "Sender's name"**, if need. This name will appear as a sender's name in your e-mail message. The default name is **FaxBoom**, but you can leave it blank. In this case, the letter will be displayed sender's e-mail address instead of the name.
- 11. Enter your SMTP server name in the "SMTP server" field. Enter port to be used on the SMTP server in the "Port" field, the default value is "25".
- 12. Check "**My server requires authentication**" checkbox, if your SMTP server requires authentication. Enter your username to SMTP server in the "**Login**" field and your password in the "**Password**" field.
- 13. Click **<Apply>** button to save settings.

Mail to Fax

With this feature you can:

- Send faxes from your E-mail Program (e.g. **Outlook Express**).
- Receive e-mail notifications with results of faxing.
- Identify a list of e-mail addresses, which can send faxes
- Identify a list of formats of e-mail attachments, that can be sent by fax

Mail to Fax Settings

- 1. Open your Fax Boom Control Panel.
- 2. Click "Fax" in TreeView.

🐗 Fax Boom Control	Panel v.3.1.1			×
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	Apoly		Cancel	Help

- 3. Check "Send faxes from e-mail" checkbox.
- 4. Click on the **button right of** the checkbox **"Send faxes from emails"** to change your **attachment's file formats** and **user's email restrictions** (for advanced users).
- 5. Click **"Email"** in TreeView.

x Boom	SMTP settings			
SIP	Sender's e-mail addres	ss: [faxserver@t38faxvoip.co	Sender's name:	FaxBoom
User Agent	SMTP Serve	er: smtp.t38faxvoip.com		Port: 25
	My server requires a	authentication		
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	Log	in: fayserver	Password:	NINKEXENKEXE
	(paronita		
		Check	for new messages	every 20
				
	Fax Boom Service			
	START	Registration status	Registere	dOK
		Fax Boom status	Fax Boom Service	is running now!
	STOP			

- 6. You must configure the **SMTP server**. The sender of the fax will be notified of the results of faxing.
- 7. Enter your **FaxBoom** e-mail in the **"Sender's e-mail address"** field. This e-mail must be known to SMTP server and will appear as a sender's e-mail address in e-mail messages from **Fax Boom**.
- 8. Enter your **FaxBoom "Sender's name**", if need. This name will appear as a sender's name in your e-mail messages from **Fax Boom**. The default name is **FaxBoom**, but you

can leave it blank. In this case, the letter from **Fax Boom** will be displayed sender's email address instead of the name.

- 9. Enter your SMTP server name in the "SMTP server" field. Enter port to be used on the SMTP server in the "Port" field, the default value is "25".
- 10. Check **"My server requires authentication"** checkbox, if your SMTP server requires authentication. Enter your username to SMTP server in the **"Login"** field and your password in the **"Password"** field.
- 11. You must configure the **POP3 server**. **Fax Boom** will get jobs to send a fax via e-mail.
- 12. Enter your POP3 server name in the **"POP3 server"** field. Enter port to be used on the POP3 server in the **"Port"** field, the default value is **"110"**.
- 13. Enter your username to POP3 server in the **"Login"** field and your password in the **"Password"** field.
- 14. You can change timeout for checking for new mails with outgoing faxes. Enter the timeout value in the "Check for new messages every...sec" field. This value can vary from 10 to 60 seconds. The default value is "20" (sec).
- 15. Click **<Apply>** button to save settings.

Composing of e-mail message

To send a fax from your email program, you need to create a mail, respecting certain rules.

- 1. Enter e-mail address of your **Fax Boom** mail server (according the **Fax Boom** POP3 settings) in the **"To:"** field of e-mail.
- 2. Enter the fax number to which you want to send a fax in the **"Subject:"** field of e-mail. If you want to send a fax on several numbers simultaneously, numbers must be separated by the sign ";".

Examples: 0013601234567 0013601234567;0013609876541

3. Insert an attachment to e-mail (field "Attach:") using any method that you know. Do not insert more than one attachment. If a letter contains more than one attachment, only the first will be used to send the fax. A list of acceptable formats for attachments is determined by the administrator of the computer where **Fax Boom** installed. The Administrator may authorize any format, but if the fax server will not be able to print a document on the **Fax Boom Printer**, a fax will not be sent.



Attachments Formats

When using the 'Mail -> Fax' you can use different file formats, as for email attachments. The adopted document is printed on the standard printer 'Fax Boom', included with the Fax Boom in the background. Theoretically, you can use all printable formats, in terms of PC where Fax Boom installed. However, in practice, things are different. For example, if you print Microsoft Word (*. doc, * rtf) printing is not in the background. Microsoft Excel is also opened and can show a dialog box that will make it impossible to work 'Mail-> Fax' automatically. Some tiffformats, which are normally printed by hand, can not be printed in the background. In other words, the situation is strongly dependent on the specific machine and applications installed on it. To avoid problems, we recommend to make tests with 'Mail-> Fax' at your PC and then define a set of file extensions that you consider acceptable, then configure Fax Boom to work with these extensions only.

To configure the Fax Boom to work with certain email attachments, do the following steps:

- 1. Open your Fax Boom Control Panel.
- 2. Click "Fax" in TreeView.
- 3. Click on the **button right of** the checkbox "Send faxes from emails".

🀗 Fax Boom Control	Panel v.3.1.1			×
Fax Boom Fax Boom SIP Grave User Agent Grave Fax User Agent Grave Fax Lines License Qrave About	Fax Settings Fax Protocol C T38 ● au Fax HeadLine V Use default Open TIFF comm Open PDF comm After reception V Send faxes fro	Idio T38 fax mode Wait T38 Mode Fax Station ID Fax Boom Voip Fax HeadLine and Station ID for a wand: rundll32 shimgvw.dll,Im and: explorer in to send a fax by e-mail Som e-mails Becepient's	RFC2833 Fax Ima C 200 OOO 0000000 I faxes ageView_Fullscreen end notification even if no e-mail address:	ge quality x200 C 200x100 C Save as tilf C Save as pdf Default fax message recorded
	Fax Boom Service START STOP	Registration status	Registered Fax Boom Service is	OK running nowl
	Apply	ок	Cancel	Help

- 4. File "mail.ini" will be opened.
- 5. Find [attach formats] section.

//You can allo	w only certain the formats.	formats of att add 'all:' in s	tachments, or section 'attack	transfer any h formats'	files
//TO allow * d	oc, add 'doc;' s]	, and so on			
7/112 th					
//tiff; //jpeg;					
bmp doc:					
rtf //xls;					
//pdf;					

- 6. Make changes according to the instructions in the file. You can allow only certain formats of attachments or all formats (not recommended).
- 7. Save and close the file.

Note: If the extension of the file is allowed for the attachment, but the fax server is not able to print a document, the error will not happen, but the user will be sent e-mail with a notification that the file format is not supported.

Using PDF as attachments

PDF is one of the most popular formats with faxes. Therefore, we have to consider this topic separately. When using 'Mail to Fax' feature Fax Boom automatically "print" PDF-file using the standard program, defined in your system to view and print PDF files. Usually it is Adobe Acrobat Reader. The latest versions of Adobe Reader have changed their behavior if to print PDF documents automatically. Adobe Reader will no longer close itself after being called with ShellExecute("printto",....) API function . In such a situation, PDF can not be used as attachments.

Nevertheless, there is a solution to this issue. More information can be found at <u>http://www.biopdf.com/</u>.

http://www.biopdf.com/acrowrap/close_adobe_reader.php

You need to download and install <u>Acrobat Wrapper</u>. In this case the **Adobe Reader** will be closed correctly after "printing".

Sender's email restrictions

By default, the system 'Mail -> Fax' can take jobs to send faxes from any email address. This is not a good thing. Anyone who knows Fax Boom server's email address can send unauthorized faxes to their advantage. To avoid this, we strongly recommend to limit the list of e-mail addresses. Only the owners of email addresses from this list will be able to send faxes using Fax Boom.

To configure the **Fax Boom** to work with certain email customers, do the following steps:

- 1. Open your Fax Boom Control Panel.
- 2. Click "Fax" in TreeView.
- 3. Click on the **button right of** the checkbox "Send faxes from emails".

🀗 Fax Boom Control	Panel v.3.1.1			×
Fax Boom Control Fax Boom SIP SIP SIP SiP SiP Enail Sic Fax Lines License About	Panel v.3.1.1 Fax Settings Fax Protocol ○ T38 ○ at ▷ Error Correctio Fax HeadLine ▷ Use default Open TIFF comm Open PDF comm □ After reception ▷ Send faxes from Fax Boom Service	T38 fax mode Wait C T38 on Mode Fax Station ID Fax Boom Voip Fax HeadLine and Station ID for a rand: [rundll32 shimgvw.dll.lm and: [explorer in to send a fax by e-mail C S om e-mails Recepient's	RFC2833 Fax Ima 200 1000 0000000 all faxes bageView_Fullscreen Send notification even if no s e-mail address:	age quality 1x200 C 200x100 C Save as tiff Save as pdf Default fax message recorded
	START	Registration status	Registered	10K
	STOP	Fax Boom status	Fax Boom Service is	running nowl
	Apply	ок	Cancel	Help

- 4. File **"mail.ini"** will be opened.
- 5. Find [e-mail from] section.

```
//pur,
//You can allow the sending of faxes from certain e-mail addresses, or allo
server to any e-mail.
//To allow faxing from any e-mail address, add 'all;' in section 'e-mail fr
//To allow mails from sample@mailserver.com, add 'sample@mailserver.com;',
/e-mail from]
all;
//sample1@mailserver2.com;
//sample2@mailserver2.com;
```

- 6. Make changes according to the instructions in the file. You can allow faxing from only certain e-mails or faxing from any e-mail (not recommended).
- 7. Save and close the file.

Fax Boom E-mail notifications

When a user sends a fax via e-mail program (e.g.Ouutlook Express), using 'Mail -> Fax' feature, the user will receive notification(s) about the results of faxing by e-mail. Examples of alerts are shown in the table below.

Message	Info	Description
Fax was successfully	ОК	Fax was sended to Recipient's Fax
transmitted to the		Number
number		
Unable to transmit fax to	Message contain info about	Fax Boom received a valid job, but
the number	details of sending and	for some reason sending the fax
	number of unsuccessful	failed.
	attempts to send a fax	
Unable to transmit fax to	Message contain info about	Incorrect format of attachmenf, fax
the number	error of sending a job to	server is not available
	FaxBoom	
Unable to transmit fax to	The format of fax number	Incorrect fax number in Email
the number	is incorrect.	Subject
Unable to transmit fax to	The format of your file is	Administrator banned sending
the number	not supported.	attachments with such file extension.
Multiple attachments are	Only the first attachment	You must send email with only one
not supported	transmitted to Fax Boom.	attachment.
Your account has been	Sorry, your account has been	Administrator banned sending fax
blocked.	blocked.	email-s from your address.

Licenses settings

- 1. Open Fax Boom Control Panel. To do this Click Start, point to All Programs, point to Fax Boom ; click Settings.
- 2. To view your License Status in Fax Boom Control Panel Click < About> in TreeView.

Fax Boom				
SIP User Agent Fax Email Clines License	Fax Boom Version 3.1.1 Copyright © FaxVoip Software, LLC All Rights Reserved EVALUATION LICENSE You have 17 day(s) left !			
	- Fax Boom Servic	e I Registration status	Benistered D	
	- Fax Boom Servic START	e Registration status	Registered Ol Fax Boom Service is put	K.
	Fax Boom Servic START STOP	e Registration status Fax Boom status	Registered Ol Fax Boom Service is ru	K nning now!

3. To Add New Licence in Fax Boom Control Panel Click <License> in TreeView.

ax boom	Licenses			
SIP User Agent Fax Email Lines License About	To order Licer Send your comp A3AD94A3-C9	nse Key uter's unique system ID 14A	To activate License Key You received a License Key. Copy and paste your licence key here.	
				Update
	- Fax Boom Service		Registered	Update OK
	Fax Boom Service	Registration status	Registered	Update OK running now!
	Fax Boom Service START STOP	Registration status	Registered Fax Boom Service is r	Update OK running now!

4. The section "To order License Key" displays your computer's unique system ID. This information is required to generate your license key. When you are queried for your SystemID, you should select your SystemID, Copy and paste the SystemID in your document (e-mail). You should also provide the information about the number of Fax Boom lines, you want to activate.

Note: Your SystemID depends on Hardware of your PC. If you are planning to do some changes with your Hardware, please do it before ordering your License Key.

5. When you received a License Key, copy the **License Key** from e-mail and paste it in the field in section "**To activate License Key**" and click on **<Update>**.

6. Restart your **Fax Boom Control Panel.** Click **<About>** in TreeView and **check your License Status.**

Fax Boom Control Pa Fax Boom SIP SIP Fax Fax Email Clines License	Fax Boom Version 3.1.1 Copyright [®] FaxVoip Software, LLC All Rights Reserved REGISTERED VERSION			
	Fax Boom Service START STOP Apply	Registration status Fax Boom status OK	Registered C Fax Boom Service is n Cancel	IK Inning now! Help

- 7. Restart your **Fax Boom** Server. In **Fax Boom Control Panel** Click **<Stop>**, then **<Start>**.
- 8. Note, that you can have only one License Key. So, if you want to increase the number of **Fax Boom** lines you need to get New License Key. **Don't enter any in "activate** License Key" field after activating of your Licence Key. If you will enter non-licence information here, your license key will be deactivated. In this case you will need to do activation of your License Key again. Don't try to enter the License Key "from another PC" here. You will not be able to start Fax Boom after entering such a Key.
- 9. Please Save your SystemID and a letter with your License Key.

Working with Fax Boom Service

- 1. Click **Start**, point to **All Programs**, point to **Fax Boom**; click **Fax Boom Server**. You will see the **Fax Boom** icon in your Windows Tray.
- 2. Click Stop Fax Boom Service to stop the Fax Boom Service.



- 3. Click Start Fax Boom Service service to start the Fax Boom service.
- 4. Now you can send and receive T38 and AUDIO faxes via your SIP network.
- 5. Notes: if Fax Boom Service automatically stops after starting, 1) something wrong with your "Local SIP address" and port settings. You must use UDP port free from using in another SIP program. 2) Microsoft.NET Framework 2.0 Service Pack 1 need to be installed in your system.

Removing the Software

To remove the Fax Boom from the local computer

- 1. Ensure that no applications are using Fax Boom Virtual Printer.
- 2. In the Windows Control Panel, open the Add or Remove Programs applet.
- 3. Select the **Fax Boom** entry.
- 4. Click Remove.

Note(i): A restart of Windows is not necessary after uninstalling. Note(ii): Uninstall program will remove <u>all your Fax Boom Settings and Fax Boom</u> Virtual Printer.

Technical Support

You can contact our technical support by sending an e-mail to support@t38faxvoip.com

For the latest technical support information, please visit <u>http://www.t38faxvoip.com</u> Sales department: <u>sales@t38faxvoip.com</u>