

# Introduction

The information in this document is intended as a general guide to help you set up the Cloudli service on your SIP compatible telephone system. It contains only Cloudli-specific parameters that need to be configured on your Dialogic Brooktrout SR140 software. For full and proper functioning of the Cloudli service and all other features, your equipment should be set up according to the detailed instructions provided by the manufacturer in their configuration guide. Make sure to use the latest Dialogic Brooktrout SR140 SDK.

# Step 1 - Gather all the necessary information

Your User ID and Web password were provided to you in the Signup Confirmation email. Go to the Cloudli website (<u>www.cloudli.com</u>) and login using your ID and password. (The login command can be found at the top right corner of the page.) Click on **Device Configuration** to expand the menu and then click on **SIP Parameters**. A page similar to the example shown below will be displayed, with values relevant to your account.



Please have this information at hand when you configure your system.



# Step 2 - Configure the SR140 SIP Parameters Using Cloudli Information

**Note:** Values for the Items shown in **blue** should be taken from the SIP Parameters page for your account. When entering data, please do not include the brackets "<" and ">" shown above.

**Note:** When specifying the From Value, if the **Display Name** contains spaces or characters other than letters and numbers you must include it between quotes as in "Display Name".

**Note:** This configuration allows Brooktrout SR140 to use high-speed facsimile transfers up to 33,600 bps with other devices configured on V.34 with Cloudli accounts

#### Outbound Proxy Parameters:

🎝 Brooktrout Configuration Tool - Advance	ed Mode	
File View Options Help		
Image: Constraint of the state         Image:	Eicense Help	
- Brooktrout (Boston Host Service - Running) Driver Parameters (All boards)	General Information IP Parameters T.38 Parameters	RTP Parameters
- BTCall Parameters (All boards)	Maximum SIP Sessions:	256
- Call Control Parameters - Module 0x41: SR140	Primary Gateway:	:0
IP Call Control Modules     SIP	Primary Proxy Server:	<ul><li><outbound_proxy> :5065</outbound_proxy></li></ul>
	Additional Proxy Server #2:	:0
	Additional Proxy Server #3:	:0
	Additional Proxy Server #4:	:0
	Primary Registrar Server URL:	<outbound_proxy> :5065</outbound_proxy>
	Additional Registrar Server #2:	:0
	Additional Registrar Server #3:	:0
	Additional Registrar Server #4:	
	From Value:	"Display Name" <sip: <user_id=""> @ <sip_proxy></sip_proxy></sip:>
	Contact IPv4 Address:	0.0.0.0:0
	Username:	<user_id></user_id>
	Session Name:	no_session_name
	Session Description:	
	Description URI:	
	Email Address:	
	Phone Number:	<user_id></user_id>
		[Show Advanced >>]



## SIP Parameters:

Brooktrout Configuration Tool - Advance	ed Mode	
File View Options Help		
Image: Apply         Image: Apply	Street Rep	
Home Back Next Save Apply Brooktrout (Boston Host Service - Running) Driver Parameters (All boards) BTCall Parameters (All boards) Call Control Parameters Module 0x41: SR140 C-IP Call Control Modules SIP	License Help General Information IP Parameters T.38 Parameter Advance Do not change these p been instr Primary Registrar Server Address of Record: Primary Registrar Server Username: Primary Registrar Server Password: Primary Registrar Server Expiration: Additional Registrar Server #2 AOR: Additional Registrar Server #2 Disername: Additional Registrar Server #2 Password: Additional Registrar Server #2 Password: Additional Registrar Server #3 AOR: Additional Registrar Server #3 Username: Additional Registrar Server #3 Username: Additional Registrar Server #3 Password: Additional Registrar Server #3 Expiration: Additional Registrar Server #4 AOR: Additional Registrar Server #4 AOR: Additional Registrar Server #4 Password: Additional Registrar Server #4 Password: Additional Registrar Server #4 Expiration:	ers RTP Parameters
	Registration Interval:	
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## T.38 Parameters:

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File View Options Help			
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Brooktrout (Boston Host Service - Running)     Driver Parameters (All boards)	General Information   IP Parameters T.38 Parameter	ers RTP Parameters	
BTCall Parameters (All boards)	Fax Transporting Protocol:	T.38 only	
Module 0x41: SR140	Generate CED tone over RTP:	Yes	
⊡ ·· IP Call Control Modules	Maximum Bit Rate, bps:	33600	
-	Media Passthrough Timeout Inbound, msec:	1000	
	Media Passthrough Timeout Outbound, msec:	4000	
	Media Renegotiate Delay Inbound, msec:	1000	
	Media Renegotiate Delay Outbound, msec:	100	
	T30 Fast Notify:	No =	
	UDPTL Redundancy Depth Control:	150 J 5	
	UDPTL Redundancy Depth Image: 20 22 2		
	Advanced Settings		
	Do not change these parameters unless you have been instructed to do so		
	Maximum T.38 Version:	3	
	Support G.711 Fallback SIP RTP reINVITE:	False	
	T.38 Media Stream Renegotiation:	Single	
	Type of Service (DSCP value):	[0 0 ] <u>−−−−</u> 63	
		<u> </u>	

### **RTP** Parameters:

🔊 Brooktrout Configuration Tool - Advanced Mode 📃 💼 📼			
File View Options Help			
Image: Control of the sector of the sect	Icense         ?           Help         1		
<ul> <li>□- Brooktrout (Boston Host Service - Running)</li> <li>□- Driver Parameters (All boards)</li> <li>□- BTCall Parameters (All boards)</li> <li>□- Call Control Parameters</li> <li>□- Module 0x41: SR140</li> <li>□- IP Call Control Modules</li> <li>□- SIP</li> </ul>	General Information   IP Parameters   T.38 Parameters RTP codec list: Silence Control:	RTP Parameters         pcmu         inband         Show Advanced >>	



## BTcall Parameters for V.34:

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File View Options Help		
Home Ack Next Save Apply	icense Relp	
Brooktrout (Boston Host Service - Running)	BTCall Parameters	
BTCall Parameters (All boards)     Gil Control Parameters     Module 0x41: SR140     Gil Control Modules	Advanced Settings Do not change these parameters unless you have been instructed to do so	
SIP	Action Taken on Mismatches:	Horizontally and vertically scale the fax
	Bad Line Behavior:	Replace with last good line
	Default ID String:	
	Error Correction Mode:	ECM enabled 256-byte frames
	Error Threshold Value:	3
	Font Files:	ibmpcps.fz8 0
		· · · · · · · · · · · · · · · · · · ·
	Maximum Error Multiplication Value:	200
	Maximum Number of Pages:	30
	Maximum Page Width:	215mm A4 1728 Normal resolution pixels
	Minimum Error Multiplication Value:	40
	Minimum Number of Lines, x10 units:	0 0 255
	Permitted Compression Types:	MMR or MH
	Send RTP FSK:	Enabled
	Time to Wait for CED Tone, x10msec:	20000
	V.34 Enable Send Call Indicator:	Enable
	V.34 High Speed Control Signaling:	Enable
	V.34 Modulation Capability:	Enable
	IAF Capability:	Enable
	IAF Maximum Bit Rate Ibos	În 🗸

In the SR140 callctrl.cfg file, set (insert those lines if not present)

t38\_fax\_max\_datagram\_send=600 t38\_fax\_max\_datagram\_recv=600 t38\_fax\_max\_buffer=1000 To find out where the configuration file (callctrl.cfg) is stored launch the Brooktrout Configuration Tool in Advanced Mode, and select the menu item Options -> Preferences...

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File View	Options	Help	
☆ (	Sav	e Configuration	
Home Ba	Ар	ply Configuration	н
⊡ ·· Brooktrout	Red	configure Driver	for
BTCal	Lic	ense Manager	priti
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⊡ IP Call	Tra	cer Connection Setting	
SI	Pre	ferences	
	V Dis	play Toolbar	P F

You should see a dialog box similar to the one below:

Brooktrout Configur	ation Tool - Preferences
BTCall Configuration File:	C:\Program Files (x86)\RightFa
Call Control Configuration File:	C:\Program Files (x86)\RightFa
INF File:	C:\Program Files (x86)\Right)
Firmware File Location:	C:\Program Files (x86)\RightFa
Log File Location:	C:\Program Files (x86) RightFax\Dc
Boston Host Service Start Mode:	Automatic 🗨
OK Click here	



### Result:

[host module.1/t38parameters] fax transport protocol=t38 only t38\_fax\_rate\_management=transferredTCF t38\_fax\_version=3 t38\_max\_bit\_rate=33600 t38\_fax\_udp\_ec=t38UDPRedundancy t38\_UDPTL\_redundancy\_depth\_control=5 t38\_UDPTL\_redundancy\_depth\_image=2 media renegotiate delay inbound=1000 media\_renegotiate\_delay\_outbound=100 t38 fax max datagram send=600 t38 fax max datagram recv=600 t38\_fax\_max\_buffer=1000 rtp\_ced\_enable=true t38\_fax\_fill\_bit\_removal=false t38\_fax\_transcoding\_jbig=false t38\_fax\_transcoding\_mmr=false t38\_t30\_fastnotify=false t38 type of service=0



# Contact

If you require assistance you can contact us by email at <a href="mailto:service@cloudli.com">service@cloudli.com</a>

You can also reach us by phone Monday-Friday 8:00am to Midnight Eastern, and Saturday-Sunday 10:00am to 6pm Eastern at:

Canada	USA
Montréal: 514 201-6550 Toronto: 416 848-0990 Toll free: 1-877-258-VoIP (8647)	Toll free: 1-877-808-VoIP (8647)

Address: 1425 René-Lévesque, Suite 700, Montréal, Québec, Canada H3G 1T7

Website: www.cloudli.com

Thank you for choosing Cloudli as your Internet Telephony Service Provider. We at Cloudli will continually strive to provide you a reliable service. As well, we will be regularly adding additional capabilities that you may find useful. Please keep up-to-date by visiting us at the Cloudli website.