

Release Note

SIP CLIENT V2.16

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Firmware name:	SIP CLIENT V2.16																					
FW Release Date:	20. Jul. 2016																					
Package Name:	abcl_sip_v2.16_20160720.zip																					
Version Overview:	<table><thead><tr><th>Type</th><th>File name</th><th>Version Date</th></tr></thead><tbody><tr><td>Firmware</td><td>abclw.rom</td><td>VB1.18_20160720</td></tr><tr><td>WEB UI</td><td>abclapp.cob</td><td>V02.07_20140820</td></tr><tr><td>FW Ext. 1</td><td>sg.bin</td><td>V10.15_20160707</td></tr><tr><td>FW Ext. 2</td><td>fs.bin</td><td>V02.08_20140820</td></tr><tr><td>FW Ext. 3</td><td>bclio.bin</td><td>V02.06_20151028</td></tr><tr><td>Bootloader</td><td>exfull.rom</td><td>V99.28_20160624</td></tr></tbody></table>	Type	File name	Version Date	Firmware	abclw.rom	VB1.18_20160720	WEB UI	abclapp.cob	V02.07_20140820	FW Ext. 1	sg.bin	V10.15_20160707	FW Ext. 2	fs.bin	V02.08_20140820	FW Ext. 3	bclio.bin	V02.06_20151028	Bootloader	exfull.rom	V99.28_20160624
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1 Hardware Compatibility

This firmware is fully supported on the following devices:

- Annunicom PS1, PS16,60,100,155,200,1000
- Exstreamer 100,105,110,120,200,205,P5 as receivers only
- Instreamer as encoder only

The firmware is partially supported on the following modules:

- IPAM 100/102
- IPAM Carrier Board
- IPAM 300/302

Note: The firmware can run on any other Barix audio devices (e.g. Exstreamer Digital), however the functionality is not guaranteed

2 Fixed Bugs

The following bugs have been fixed compared to the previously released V2.14 :

- Fixed the opaque parameter in the authentication response to be sent only if requested by the server
- Bug HY-135: Solved audio noise at startup

3 New Features and Improvements

The following new features have been fixed compared to the previously released V2.14:

- Added support for authentication using the Quality of Protection (qop="auth")
- Fixed to detect properly the SIP headers from the SipXecs server
- New feature HY-136: Added backup SIP server

4 Known Issues

1. When a X8 contact that is configured as input is tried to be set using DTMF command 3, the active call will be closed as it will be detected as a button press. Calculate properly the bitmask used in this command so that it does not try to set to "1" X8 pins configured as inputs. This issue is valid also for all versions of SIP client prior to V2.01;
2. In order the status of X8 contacts to be correctly displayed after using DTMF command 4, the SIP client needs to be rebooted in order the X8 device to be properly reinitialised with the new settings.
3. The inputs supervision is fully supported only on Annunicom 155. When run on Annunicom 1000, the inputs are shown as normal 2 state (open/close) inputs.

4. Decoding DTMF commands does not work properly when the remote peer is sending them both as DTMF digits and via the SIP INFO message. In this case configure the remote peer to use only one of these methods.

5 Release generating details¹

5.1 GIT release tag

Checkout the barix and bcl GIT repositories with the following tag:

```
abcl_sip_v2.16_20160720
```

5.2 Compile commands:

Run the following command from the cloned barix folder:

```
make ab_sip
```

5.3 Regenerating the FW image

The source code of the SIP Client application is too big in size, and cannot fit into the COB file together with the tokenized BCL code. The generated release already has the source code stripped out of the FW image. However, if for some reason manual rebuild of the FW is needed, then the *applications.sh* script or the *applictns.bat* batch file has to be run with the **-no_source** option to regenerate the applications.cob file:

```
./applications.sh -no_source
```

¹ This information is intended for BARIX developers only

6 Legal Information

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Barix AG
Seefeldstrasse 303
8008 Zürich
SWITZERLAND

T +41 43 433 22 11
F +41 44 274 28 49

www.barix.com
sales@barix.com

