Release Note

ICPAGING GATEWAY V1.5.0

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Firmware name:	ICPAGING GATEWAY V1.5.0
FW Release Date:	29. Mar. 2022
Package Names:	update-core-image-barix-icpgw-1.5.0.tar (to be installed on M-400 device)
Yocto Layers Version Overview:	<table><tr><td>Layer</td><td>Branch</td><td>Tag/Revision</td></tr><tr><td>bitbake</td><td>1.46.0</td><td></td></tr><tr><td>meta</td><td>master</td><td>2246b0d7a71c69eb2e89c55991d1387069895466</td></tr><tr><td>meta-multimedia</td><td></td><td></td></tr><tr><td>meta-networking</td><td></td><td></td></tr><tr><td>meta-python</td><td></td><td></td></tr><tr><td>meta-oe</td><td>master</td><td>c38d2a74f762a792046f3d3c377827b08aade513</td></tr><tr><td>meta-python2</td><td>master</td><td>6b3000729ce3424c2aa8a03cd46ef37b200d2fc1</td></tr><tr><td>meta-barix</td><td>oe-dunfell</td><td>51e3d10528ca10df15b847a8bb91e4780ee5fec3</td></tr><tr><td>meta-barix-ipam400</td><td>master</td><td>9306baa6ffe55ce389a540a37e07001428f91fff</td></tr><tr><td>meta-icpgw</td><td>develop</td><td>b6fba9e6be211761133e9c700d4206d28736ea4c</td></tr></table>

1 Hardware Compatibility

This firmware is fully supported on the following Barix devices:

- M400

NOTE: While this FW can run on other IPAM_400 base devices from Barix, its complete functionality may not be guaranteed.

2 Fixed Bugs

The following bugs have been resolved compared to the previously released V1.3.2vbeta:

- Token was not correctly extracted from the request payload, causing sound quality issues

- When reading the audio content of the paged message, the last n bytes were lost

- Occupied ids list was not getting updated when deleting a group

- Paging button would block in a pressed state if clicked too fast multiple times

3 New Features and Improvements

The following new features have been implemented compared to the previously released V1.3.2vbeta:

- Up to 9 local audio files can be uploaded and be paged

- There is a new button created for each new file

- Prevent from paging and playing a file at the same time

- Button debouncing to prevent accidental multiple touches

- Record message feature with preview added

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4 Useful Tips and Known Issues

1. The recorded message preview does not work on browsers installed on Mac or iOS

2. After performing a firmware update, the groups, users and audio files are reset to their default values

3. The last 3 recorded messages are temporary stored in memory for debugging purposes and can be found in /mnt/data/prerecorded_messages/processed with the *.rec extension. Upon reboot of the app those files are overwritten

4. When streaming to a IPAC device v2.8.0, the receiving device would hang. This is not present on ipac v2.7.3

5 Release generating details[1]

5.1 GIT release tag

Chekout the firmware-image-icpgw repo with the following tag:

```
v1.5.0
```

5.2 Compile commands:

Run the following command from the firmware-image-icpgw build folder:

```
bitbake -f core-image-barix-icpgw
```

6 Legal Information

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1 This information is intended for BARIX developers only