



# Release Note

## ICPAGING GATEWAY V1.5.2

<b>Document Name:</b>	Release Note		
<b>Document Date:</b>	07.Apr.2022		
<b>Document Revision:</b>	V1.00		
<b>Firmware name:</b>	ICPAGING GATEWAY V1.5.2		
<b>FW Release Date:</b>	07.Apr.2022		
<b>Package Names:</b>	update-core-image-barix-icpgw-1.5.2.tar (to be installed on M-400 device)		
<b>Yocto Layers Version Overview:</b>	<b>Layer</b> bitbake meta meta-multimedia meta-networking meta-python meta-oe meta-python2 meta-barix meta-barix-ipam400 meta-icpgw	<b>Branch</b> 1.46.0 master  master master oe-dunfell master develop	<b>Tag/Revision</b>  2246b0d7a71c69eb2e89c55991d1387069895466  c38d2a74f762a792046f3d3c377827b08aade513 6b3000729ce3424c2aa8a03cd46ef37b200d2fc1 51e3d10528ca10df15b847a8bb91e4780ee5fec3 9306baa6ffe55ce389a540a37e07001428f91fff b3df456aad938fd375664d14ac43e03a0a3a1581

# 1 Hardware Compatibility

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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

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The following bugs have been resolved compared to the previously released V1.5.1:

- Implemented a message queue to mitigate the sound quality issue when paging
- Fixed bugs with the destination IP and the source and destination ports.

## 3 New Features and Improvements

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The following new features have been implemented compared to the previously released V1.5.1:

- Implemented a message queue when paging, to allow for faster response to the front-end which also leads to the data arriving at the back-end faster and consistent
- Data is now being buffered first when paging, and a success reply is sent immediately to the front end.
- Burst first n packages in order to have buffered data in the receiving buffer
- Fixed bugs with destination IP and the source and destination ports.
- Device IP settings are automatically detected
- Disabled local playback when paging

## 4 Useful Tips and Known Issues

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1. After performing a firmware update, the groups, users and audio files are reset to their default values. Need to be able to store/preserve them.
2. The last 3 recorded messages are temporarily 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
3. When streaming to a IPAC device v2.8.0, the receiving device would hang. This is not present on ipac v2.7.3
4. Local playback when paging has poor audio quality. Currently disabled for that reason

## 5 Release generating details<sup>1</sup>

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### 5.1 GIT release tag

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

v1.5.2

### 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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Barix AG  
Limmatstrasse 21  
8005 Zürich  
SWITZERLAND

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

[www.barix.com](http://www.barix.com)  
[sales@barix.com](mailto:sales@barix.com)  
[support@barix.com](mailto:support@barix.com)

<sup>1</sup> This information is intended for BARIX developers only