## Instreamer ICE

### Release notes

**Firmware name:** Instreamer ICE version 1.1  
**Released:** 21\textsuperscript{st} September 2018  
**Package name:** qiba-update-core-image-barix-instreamer-ice-barix-ipam400-20180920134500

### Version overview:

<table>
<thead>
<tr>
<th>Type</th>
<th>Filename</th>
<th>Version</th>
<th>Version Date</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firmware</td>
<td>core-image-barix-instreamer-ice-barix-ipam400-20180907150843</td>
<td>1.1</td>
<td>21.09.2018</td>
<td>Production release – end of project</td>
</tr>
<tr>
<td>Bootload</td>
<td>()</td>
<td>U-Boot 2017.03</td>
<td>15.05.2018</td>
<td></td>
</tr>
<tr>
<td>Linux Kernel</td>
<td>()</td>
<td>4.10.0</td>
<td>20.09.2018</td>
<td>GCC 6.3.0 #1 SMP</td>
</tr>
<tr>
<td>Root-FS</td>
<td>(archive)</td>
<td>core-image-barix-instreamer-ice-barix-ipam400-20180920134500</td>
<td>07.09.2018</td>
<td></td>
</tr>
<tr>
<td>Audiostreamer</td>
<td>audiostreamer</td>
<td>1.3</td>
<td>14.08.2018</td>
<td>Fixed leak</td>
</tr>
<tr>
<td>Backend</td>
<td>instreamer-ice-webui-be</td>
<td>4.0-r1</td>
<td>21.09.2018</td>
<td></td>
</tr>
<tr>
<td>Icecast</td>
<td>icecast</td>
<td>2.4.3</td>
<td>Jan 2016</td>
<td></td>
</tr>
<tr>
<td>Frontend</td>
<td>instreamer-ice-webui-fe</td>
<td>4.0-r1</td>
<td>21.09.2018</td>
<td></td>
</tr>
<tr>
<td>Repositories</td>
<td>meta-barix v1.0.5rc9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>meta-qiba v1.05rc7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>barix-bsp-platform master</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Contents

Hardware Compatibility 3
New features 4
Bugs fixed in this version 5
Known Bugs and Restrictions 6
Major Modifications 7
Hardware Compatibility

This firmware is fully supported on the following devices:

- M400 (Instreamer ICE)

Note: The firmware can run on any other Barix audio devices using an IPAM400. However, functionality is not guaranteed.

New features

- Automatic updates are “OFF” by default
- Listeners are listed using their IP; design was improved
- Cosmetic changes in the Status pages
- SSH disabled by default; can be enabled on Web UI for support purposes
- Loading “spinner” for Restore factory, Network edit
- Special characters are now accepted for the Icecast Source password
- DHCP, Sonic IP volume are now validated
- UI texts were modified for better user experience

Bugs fixed in this version

- General
  - Memory leak fixed (AAC VBR). Solves the buffer depleting error from 1.04
  - Cache problems are partly solved
  - Option defaults were improved
  - Icecast admin password is not standard anymore
- On Network page:
  - Editing network settings doesn’t result in unresponsive web UI anymore
  - DHCP name can be changed
  - Primary DNS, alternative DNS can be changed in DHCP mode
- On Home page
  - License status can be viewed in UI
  - Icecast statistics are now always displayed
- On Status page:
  - License status can be viewed in UI
- On Stream page:
  - Stream URL is updated in table after any change
  - Bitrate type is now displayed in the table on the streaming page
  - Metadata process works after streaming configuration edit
  - Streaming can be resumed after resetting to factory defaults
  - Import, restore defaults do not hang anymore
  - Removed “dummy” options in stream wizard - no more unexpected combinations
Known Bugs and Restrictions

Major
- Issue: The Instreamer ICE web UI cannot be used correctly on Internet Explorer v11.0.9600
  - Workaround: Use Chrome or Firefox
- Issue: The manual Firmware Update process cannot be used with Microsoft Edge
  - Workaround: Use Chrome or Firefox
- Issue: Metadata only work for the “Icecast Server” mode
  - Workaround: Mentioned in manual.

Minor
- Issue: Listen online cache issues with Firefox, Edge
  - Workaround: Use Chrome
- Music can be heard faintly on the headset output
  - Workaround: none so far
Major Modifications

None.