

BARIX

Instreamer ICE

Release notes

Firmware name: Instreamer ICE version 1.1

Released: 21th September 2018

Package name: qiba-update-core-image-barix-instreamer-ice-barix-ipam400-20180920134500

Version overview:

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

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.