

# RELEASE NOTE

## Instreamer V04.04

<b>Firmware name:</b>	Instreamer V04.04		
<b>Released:</b>	28th. October 2015		
<b>Package name:</b>	instreamer_kit_v0404_20151028.zip		
<b>Version overview:</b>	<b>Type</b>	<b>File name</b>	<b>Version Date</b>
	Firmware	instreamer.rom	V04.04_20151028
	WEB UI	instreamerapp.cob	V02.02_20151028
	SonicIP	sonicip.cob	V01.04_20070625
	FW Ext.	sg.bin	V10.13_20160113
	FW Ext.	xt05.bin	V00.03_20050317
	FW Ext.	bclio.bin	V02.05_20150521
	Bootloader	UNIFULL.SPB	V99.27_20141216

# 1 Hardware Compatibility

This firmware can run on the following Barix device supporting audio input:

- Instreamer (new)
- Instreamer 100
- Exstreamer 1000
- Exstreamer 500
- Annunicom 100
- Annunicom 200
- Annunicom 155
- Annunicom 1000

## 2 New Features

The following new features have been added, since version V4.03, to the Instreamer V4.04.

- #053.99 codec firmware loading optimized for speed, which results in faster device start-up and switching of encoding modes (new Instreamer only)
- #060.87 Added new MPEG encoding option “VBR bitrate” allowing bitrate up to 320kbps to be set in VBR mode
- #060.90 Icecast mount-point extended to 64 characters
- #060.93 Added new Security setting to disable factory defaults function of the reset button
- #060.95 Cisco Livefeed XML files updated

### **3 Bugs Fixed In This Version**

The following bugs have been fixed in the Instreamer V4.04 (since version V4.03):

- #060.82 fixed non-working volume control (the “v=” command) on the New Instreamer
- #60.85 improved codec watchdog mechanism for the New Instreamer
- #060.94 fixed “connection reset” problem when switching from MPEG to G711 audio format in Basic Settings
- #060.96 fixed non-working A/D gain in VBR mode quality 1-7 on the New Instreamer
- D2-119: fixed occasional byte swap in encoded PCM L16 full-duplex

## 4 Known Bugs/Restrictions

- **Exstreamer 1000/500 Audio input.** There is a HW restriction on the Exstreamer 1000 and the Exstreamer 500. #70.02

External Analogue to Digital circuitry can be selected for 32 and 48 KHz input speeds. This provides a better input signal to noise ratio but the A/D gain is fixed at 0dB and cannot be adjusted.

The analogue line input is still fed into the codec and the home page input peak values continue to show the internal amplified values. As a work around set the A/D amplifier gain to 0dB when selecting Line Ext ADC.

- **Annunicom 100/200 Audio input.**  
The default audio input source is Line stereo which is not supported on the Annunicom 100/200 HW. So when loading the Instreamer SW into this HW, please select either Line mono or Mic as an input source.

The home page Left channel shows the input peak value.

- **Annunicom 100 with IPAM102.**  
The informative MP3 header information is not fully supported on the IPAM 102 module. To make this clear the unsupported **Advanced Encoder Settings** on the audio WEB page will not appear.
- **Discovery Tool V0.15.** Use this or higher version of the discovery tool to find the IPAM type. If problems are reported this value may be requested by Barix support.
- **The RTS signal** stays active after a reboot. This can be worked around by switching the signal to an inactive state on the home page.
- **Shoutcast V2** is not fully supported.
- **Relaying Shoutcast mode over Icecast** may experience start-up problems.
- **Cannot update FW** if both view and save passwords are set.

## **5 Major Modifications**

There were no major modifications in this release.

## 6 References

	Document
[1]	Instreamer Technical Documentation
[2]	Instreamer Manual
[3]	Barix discovery tool application note for V0.21

## 7 Legal Information

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