



# Release Note

## Instreamer V3.17

<b>Firmware name:</b>	Instreamer V3.17	
<b>Released:</b>	25th. July 2011	
<b>Package name:</b>	instreamer_kit_vb317_20110725.zip	
<b>Version overview:</b>	<b>File name</b>	<b>Version Date</b>
	instreamer.rom	VB3.17_20110725
	instreamerapp.cob	V01.20_20110714
	sonicip.cob	V01.04_20070625
	sg.bin	V08.18_20110222
	xt05.bin	V00.03_20050317
	bclio.bin	V01.18_20101110
	UNIFULL.SPB	V99.22_20110124

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# **1 Hardware Compatibility**

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

- Instreamer 100
- Exstreamer 1000
- Exstreamer 500
- Annunicom 100
- Annunicom 200
- Annunicom 155
- Annunicom 1000

## 2 New Features

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The following new features have been added, since version 3.16, to the Instreamer V3.17.

- **#060.22.** The contact closure configuration values are added to the WEB UI status page
- **#060.24.** Audio input peak values now in dB.
- **#060.29.** The radio path is extended to 64 characters
- **#060.31 & #060.46.** The following Audio source selections are added: Microphone to support the Annunicom HW series and External ADC to support the Exstreamer 500 and Exstreamer 1000. In addition only the audio input options relevant for the type of HW are displayed.
- **#060.32.** Support streaming to a domain name instead of an IP address. The first 4 connection entries support this feature.
- **#060.34.** Allow a DHCP host name to be configured
- **#060.38.** Send audio on contact closure now fully supported on the Exstreamer 500.
- **#060.41.** Added listen.xml, livefeed.xml (altered to use entry 5) for use with Cisco Call Manager.
- **#060.45.** Added "listen" button to homepage which invokes instreamer.m3u
- In the status file Device HW type is displayed as a recognizable name.
- Further information is added to the html help files for the audio input selection and streaming.

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

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The following bugs have been fixed in the Instreamer V3.17 (since version 3.16):

- **#60.07** to avoid always lack of resources (http error 503) only 4 Internet radio entries are set as default. A user can still set a maximum of 6 entries but then the WEB UI will become much slower and will show resource error 503.
- **#060.17.** Status report does not show encoding formats properly
- **#060.26.** Improper speed/format at 44.1kHz PCM mono BE
- **#060.27.** RTP+G711 @12kHz distorted
- **#060.30.** Input 5 to 8 not supported in RTP payload.
- **#060.33.** Exstreamer 500 hardware not recognized.
- **#060.35.** Burst streaming in RTP mode.
- **#060.42.** Chrome browser not usable because WEB server used wrong Content-Length value.
- **#060.43** Set/reset RTS (c=60/c=61) not working.
- **#066.08.** Receiver window  $\leq 10B$  ignored by sender
- **#066.09.** TCP Window shrink of the receiver causes arithmetic overflow on the sender. This results in the Instreamer sending typically 48k of data.

## 4 Known Bugs/Restrictions

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- **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.

## **5 Major Modifications**

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The major modifications in this release are:

- Extension of radio path #060.29.
- Microphone added as an audio source selection #060.31.
- External Analogue to Digital Circuitry added as an audio source selection #060.46.
- Support streaming to a domain name #060.32.
- Allow a DHCP host name to be configured #060.34.
- "Listen" button added to homepage which invokes instreamer.m3u #060.45.
- Cisco Call Manager support with files listen.xml and livefeed.xml #060.41.

## 6 References

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	Document
[1]	Instreamer <a href="#">Technical Documentation V3.17</a>
[2]	<a href="#">Instreamer Manual V3.17</a>
[3]	Barix discovery tool application note

## 7 Legal Information

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