BARIX
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RELEASE NOTE

Instreamer V4.05

Firmware name: Instreamer V4.05

Released: 03th. November 2017

Package name:

instreamer_kit_vb405_20171103.zip

Version overview:

Type	File name	Version Date	
Firmware	instreamer.rom	VB4.05_20171103	
WEB UI	instreamerapp.cob	V02.02_20151028	
SonicIP	sonicip.cob	V01.04_20070625	
FW Ext.	sg.bin	V10.18_20171019	
FW Ext.	xt05.bin	V00.03_20050317	
FW Ext.	bclio.bin	V02.06_20151028	
Bootloader	UNIFULL.SPB	V99.28_20160616	

1 Hardware Compatibility

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

- Instreamer (new)

- Instreamer 100

- Exstreamer 1000

- Exstreamer 500

- Annuncicom 100

- Annuncicom 200

- Annuncicom 155

- Annuncicom 1000

2 New Features

The following new features have been added, since version V4.04, to the Instreamer V4.05.

- X3-164: configurable username for Icecast 2 source

3 Bugs Fixed In This Version

The following bugs have been fixed in the Instreamer V4.05 (since version V4.04):

- #INS-175: wrong listen.xml corrected
- #Song-1 improved codec, better stability for PCM 16 and 32 kHz

4 Known Bugs/Restrictions

- **Exstreamer 1000/500 Audio input.** There is a HW restriction on the Exstreamer 1000 and the Exstreamer 500 DHW 1.x. #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.

- **Annuncicom 100/200 Audio input.**
  The default audio input source is Line stereo which is not supported on the Annuncicom 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.

- **Annuncicom 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.

- **Downgrading Song module** to version 10.15 or 10.16 could require a manual reboot (power OFF/ON) after update.

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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Barix AG
Ringstraße 15A
8600 Dübendorf
SWITZERLAND

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

www.barix.com
sales@barix.com

support@barix.com