



Release Note

Annunicom V4.07

Firmware name:	Annunicom V4.07		
Released:	12th March 2014		
Package name:	annuncimulti_updatekit_vb407_20140312		
Version overview:	Type	File name	Version Date
	Firmware	annunicomic.rom	VB4.07_20131018
	FW Ext.	xt05.bin	V00.03_20050317
	FW Ext.	SG.BIN	V09.25_20130110
	SonicIP	sonicip.cob	V01.04_20070625
	FW Ext.	bclio.bin	V01.24_20130226
	WEB	annunicomicapp.cob	V02.01_20131021
	Bootloader	UNIFULL.SPB	V99.26_20120223

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1 Hardware Compatibility

This firmware is intended to run on the following devices:

- Annunicom 100, Annunicom 200 containing either an IPAM 100 or an IPAM 102.
- PS1 (IPAM 102)
- Annunicom 60 (IPAM 302)
- IPAM 100, IPAM 102, IPAM 302
- Annunicom 155 with support for Speaker, Microphone and internal temperature supervision.

Notes:

The Annunicom 200 has an additional 'sub' interface which supports Aiphone devices.

The firmware can run on other Barix audio devices but the functionality is not guaranteed. In particular, not all HW features are supported and the functionality may be further limited by the HW features available.

2 New Features

The following new features have been implemented in the AnnunicomV4.07 (since version 4.06):

- #055.45. The Annunicom may now receive audio on a Multicast address. The Multicast IP Address is configured via the WEB UI.

3 Bugs Fixed In This Version

The following bugs have been fixed in the AnnunicomV4.07 (since version 4.06):

- #055.42. Some minor corrections to the WEB UI look and feel.
- #055.50 On IPAM102 devices, corrected outgoing PCM audio formatted UDP streams stored in even table entries which were distorted.
- #066.18. DHCP will now automatically renew after losing connection to the DHCP server. A new DHCP address should be assigned (and the device will reset) within 5 minutes.
- #066.24 TCP. Handling of lost segments corrected, providing a massive improvement in lost packet retransmissions
- #048.34. A problem fixed which caused the Exstreamer 110 HW revision 1.4 to reset. Note: When loading the Annunicom SW in an Exstreamer 110, the functionality is not guaranteed.

4 Known Issues

There are some differences in the way the SW operates in an Annunicom built with an IPAM102 and these are described in section 5. Other issues are listed as follows:

- #055.38. Annunicom 200 SUB Aiphone Use - Releasing the “Press to Talk” button does not stop the audio stream.
- #055.48 Exstreamer 110 Use - If the Exstreamer 110 is left in the default settings of Audio: MPEG and Streaming mode: send on Talk, commands sent to the device may cause a reset. For example, setting the Relay.

Work around: When using an Exstreamer 110 always set the Streaming mode to “receive only”.

- #055.51. For IPAM102/302 devices PCM audio encoding is no longer supported in TCP mode.

5 Major Modifications

5.1 IPAM 102/302 compatibility (First supported in V4.02)

This feature was first supported in V4.02 and it is included here for reference.

Annunicom HW devices built with the IPAM102, were introduced by Barix in the first quarter of 2012.

The Annunicom 60 containing the IPAM 302 was introduced in the third quarter of 2012

The use of the IPAM 102/302 leads to the following changes in the way the audio is processed:

- An improved audio buffer management aids the fine tuning of latency. A value of 40 msec is achievable: PCM 24kHz, sender packet size 480 bytes, receiver play buffer size 480 bytes.
- PCM audio encoding is no longer supported in TCP mode.
- The “loop Input to Output” audio volume is fixed.
- Switching to decoding mode requires an additional 200 msec. Any audio received during this period is discarded.

6 References

	Document
[1]	Annunicom Technical Documentation
[2]	Annunicom User Manual

7 Legal Information

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