# EclaireXL - Bug #16

# Audio bug report for Altirra

05/12/2017 07:48 PM - foft

Status:	Closed	Start date:	05/12/2017	
Priority:	Normal	Due date:		
Assignee:		% Done:	0%	
Category:		Estimated time:	0:00 hour	
Target version:			0.00 11001	
Description				
-		+ Q		
One for the coder	s, please can you check if these bugs are pres	ent?		
From post on atar	iage			
	n/forums/topic/256683-altirra-280-released/page			
	puple of issues with POKEY chip in Altirra that registers as follows	I've found		
AUDF1=100				
AUDC1=175				
AUDF3=0				
AUDC3=0				
AUDCTL=5				
SKCTL=3				
	generate a narrow impulse train. It seems to v			
	e, however on Altirra it sometimes works corre			
sometimes it doesn't. Sometimes the impulse train is generated but it is very				
quiet. Most often i	no sound is produced at all.			
2. Behavior of a lo	ow timer in a linked timers pair is incorrect whe	n timers		
	Hz or 15 kHz clock (it's OK with 1.79 MHz cloc			
For example		,		
AUDF1=33				
AUDC1=170				
AUDF2=1				
AUDC2=0				
AUDCTL=16				
SKCTL=3				
	ind is wrong and is disturbed by keystrokes. The			
	tion is in deferred mode. Forcing it to go out of	deferred		
mode by enabling	interrupts for timer 1 fixes the problem.			
3. The pitch of a s	quare wave generated with the following settir	ngs		
AUDF1=99				
AUDC1=170				
AUDF2=199				
AUDC2=0				
AUDCTL=0 SKCTL=139				
	er than it should be.			
	inan it should be.			
4. Altirra doesn't in	mplement additional two-cycle delay when time	ers 1 and 2		
	-tone mode is enabled at the same time.			
	the following settings:			
AUDF1=10				
AUDC1=0				
AUDF2=0				
AUDC2=136 AUDCTL=208				
SKCTL=139				
	jh by almost 2 semitones.			
Related issues:				
	Core 8 - the backgound music in Gene & LMS dem	os are not	New 06/06/2017	
Ticlated to buy #41.	Core o line backyound music in Gene & LINS delli			

### History

## #1 - 06/07/2017 01:06 PM - foft

- Related to Bug #41: Core 8 - the backgound music in Gene & LMS demos are not the same as on a real ATARI added

### #2 - 06/07/2017 02:13 PM - ndary

I Confirm that these Audio tests sound the same on a real Atari and on EclairXL board

Nir

## #3 - 06/07/2017 05:33 PM - foft

- Status changed from New to Closed

Many thanks Nir