• • • • •



Niles Technical Bulletin

To: All Niles Dealers and Reps
From: Niles Technical Support Department
Date: May 1, 2009
Re: Instructions for Adjusting Buffer Settings

The attached document provides step by step instructions for adjusting the FIFO buffer settings for a USB to serial adaptor. When updating the firmware of the Niles ZR6 Multizone Receiver it may be necessary to make this adjustment in order to facilitate the file transfer.

Should you have any questions, please feel free to contact Niles Technical Support at 1-800-289-4434 between the hours of 8am and 7pm Eastern Time, Monday through Friday.

Thank you, John Hamilton Technical Support Manager Niles Audio Corporation



How to adjust buffer settings: 1. Navigate to "Control Panel" and select "System".



2. In the Systems Properties window select "Hardware".





3. Under the Hardware tab select "Device Manager".

	estore	Autom	atic Updates	Remote
ieneral	Comp	uter Name	Hardware	Advanced
Device Mar	nager			
TI or pr	he Device M n your compu roperties of a	anager lists al uter. Use the E ny device.	the hardware device vice Manager to c Device M	es installed hange the anager
Drivers D co ho	river Signing ompatible wit ow Windows	lets you make h Windows. W connects to \	sure that installed d /indows Update lets v/indows Update for	lrivers are you set up drivers.
	Driver 3	Signing	Windows I	Update
Hardware P	rofiles			
🥪 H di	ardware prof ifferent hardv	iles provide a vare configura	way for you to set up tions. Hardware	o and store Profiles
			Hardware	Fromes

4. In the Device Manager select "Ports" and double click the port being used for the firmware update as selected in the ZR6 firmware update utility.





©2005 Niles Audio Corporation

5. In the Communications Port Properties window select "Port Settings".

mmu	nications Port (COM1) Properties	?
enera	Port Settings D	river Details Resources	
Ż	Communications	Port (COM1)	
	Device type:	Ports (COM & LPT)	
	Manufacturer:	(Standard port types)	
	Location:	on Intel(R) 82801GBM (ICH7-M) LPC	Interfac
Devi	ce status		
This	adevice is working p	properly.	-
This If yo star	s device is working proble ou are having proble t the troubleshooter.	properly. ms with this device, click Troubleshoot to	
This If yo star	s device is working proble to are having proble the troubleshooter.	property. ms with this device, click Troubleshoot to Troubleshoot	
This If your star	a device is working proble to are having proble the troubleshooter.	nroperly. ms with this device, click Troubleshoot to Troubleshoot	
This If your star Device Use th	e device is working proble the troubleshooter. e usage: his device (enable)	nroperly. ms with this device, click Troubleshoot to Troubleshoot	

6. Under the Port Settings tab select "Advanced".

General	Port Settings	Driver	Details	Resources	
		Bits p	er second	38400	~
			Data bits	8	~
			Parity	None	*
			Stop bits	1	*
		Flo	w control	None	~
				Ivanced Res	tore Defaults
				OK	Cancel



7. Under Advanced Settings locate the buffer level "sliders".

✓ Use FIFO buffers (requires 16550 compatible UART)			
			ОК
Select lower settings to correct connection problems.			Cancel
Select higher settings for faster performance.			Defaulte
Receive Buffer: Low (1)	High (14)	(4)	Derdans
Transmit Buffer: Low (1)	High (16)	(6)	
COM Port Number: COM1 🐱			

8. Using your mouse set the buffer slide adjustments to the "Low" setting.



