

RE: Bluetooth Audio via CompactFlash PC card to Headset on WinCE5.0

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<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2004-12/0802.html>

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Date: Tue, 14 Dec 2004 23:31:43 GMT

Just to confirm, this fails with both the Brainboxes card and the Socket card?

In HCI_WritePacket the queue should never have more than four packets. I'd be surprised if you were stuck in this loop forever. Are you sure it never breaks out? Can you debug this a bit more and determine if the packets are sent from HCI layer at a fast rate. Keep in mind that if you turn on much debug output it can cause audio to cut out. When you get in a state where you think it is alternating packets can you check the g_pSCOTransmitPackets list and see if it looks ok. This list holds the queue of SCO packets sent from HCI.

Also, make sure the UART speed is fast enough to support this. Can you try using a BT USB dongle and see if you have any luck there?

I hope this helps.

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| From: "jtnum" <twotech@selectronix.us>
| Subject: Bluetooth Audio via CompactFlash PC card to Headset on WinCE5.0
| Date: Fri, 10 Dec 2004 16:45:31 -0800
| Lines: 29
| X-Priority: 3
| X-MSMail-Priority: Normal
| X-Newsreader: Microsoft Outlook Express 6.00.2800.1437
| X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1441
| Message-ID: <OT#i0qx3EHA.3416@TK2MSFTNGP09.phx.gbl>
| Newsgroups: microsoft.public.windowsce.platbuilder

microsoft.public.windowsce.platbuilder: RE: Bluetooth Audio via CompactFlash PC card to Headset on WinCE5.0

| NNTP-Posting-Host: evrtwa1-ar2-4-33-047-236.evrtwa1.dsl-verizon.net
4.33.47.236

| Path:

cpmsftngxa10.phx.gbl!TK2MSFTNGXA01.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP09
phx.gbl

| Xref: cpmsftngxa10.phx.gbl microsoft.public.windowsce.platbuilder:59132

| X-Tomcat-NG: microsoft.public.windowsce.platbuilder

| Has anyone used a CF flash card and WinCE 5.0 to pipe the normal PC sounds
| (*.wav) files to a headset?

| Evidently an 'SCO-enabled' Bluetooth device (in my case a CF adapter) is
| required to support the Headset profile.....this may be the cause of the
| difficulty I'm experiencing.

| Does anyone know of a manufacturer of this device?

| It doesn't look as if SocketCommunications card supports this, and the
| BrainBox card I have performs in the same manner as the Socket
| card....namely the Volume controls work, providing appropriate sound
| changes, when the VolUp or VolDn button is pressed, but no audio....not
| even

| a click or noise issues when the sound is initiated.

| I have traced through the various layers of the HCI extension,
| btscosnd.dll,

| and the HCI Transport layer stuff..bthcsr.dll, and bthuniv.dll

| ..and the driver gets stuck in file hcibcsp.cpp, BCSPWriteThread() in a
| while(1) loop trying to send SCO packets.....it stays in forever if it
| continues to get a PSCOPacket....which it does.

| Looking at the packet numbers, it appears as if there is only 2 packets
| that

| continuously alternate.

| Has anyone else experienced this?

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