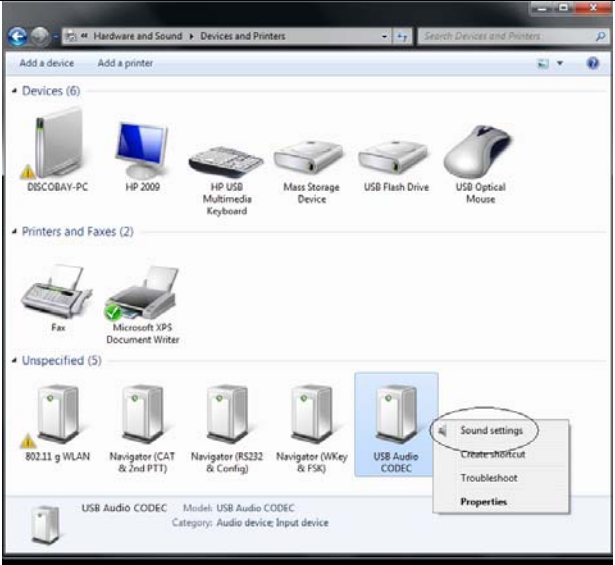# Navigator / Windows 7 Audio Settings

This document shows the Windows 7 Control Panel screens used to set up the Navigator USB Audio Codec for both Input and Output operations. This is a one-time setup that applies to all operating programs such as HRD/DM780, MixW, MMTTY, FLDIGI and others.
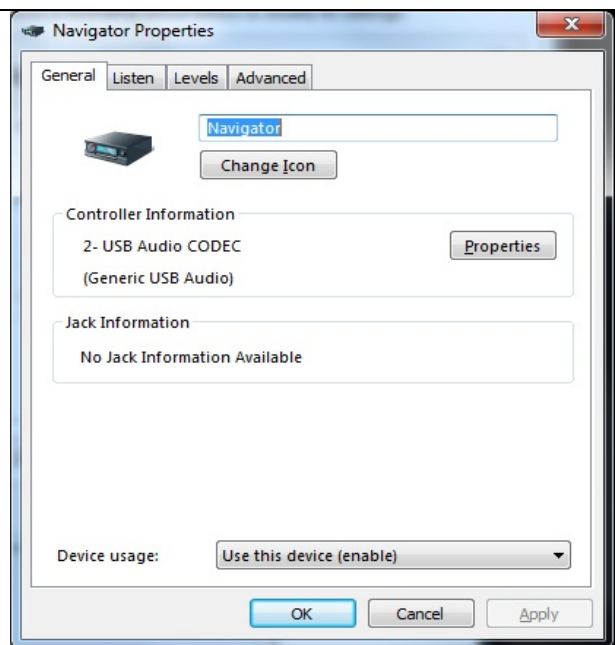
Microsoft updated the USB Audio Codec driver for Windows 7; it now has settings and features not found in the versions for XP and Vista. In particular, the Audio Input has a generic mixer gain control which must be changed from the default setting in order to maintain 100 dB dynamic range for signals displayed on the waterfall. You can also select 2 channel mode so that the input functions can read two audio channels from transceivers that have dual receivers.

Audio Input Settings

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Go to Windows Start / Control Panel. Under Hardware and Sound, click on "View devices and printers".	Right click on the USB Audio Codec device and select "Sound Settings
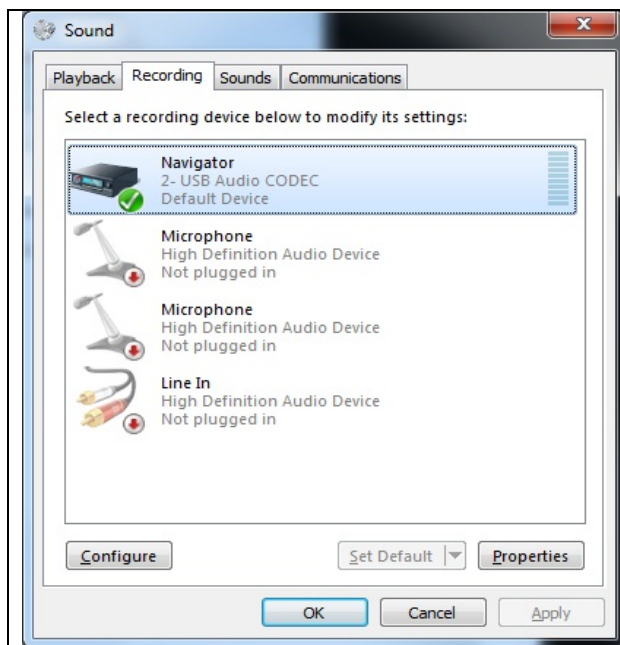
Select the Recording Tab, click on the USB Audio Codec to highlight it, and then click on Properties. (At this point, your screen may show this as "Microphone" USB Audio Codec, instead of "Navigator") Also, the device may show as "Default Device" if no other audio input devices are plugged in. If any others are plugged in, then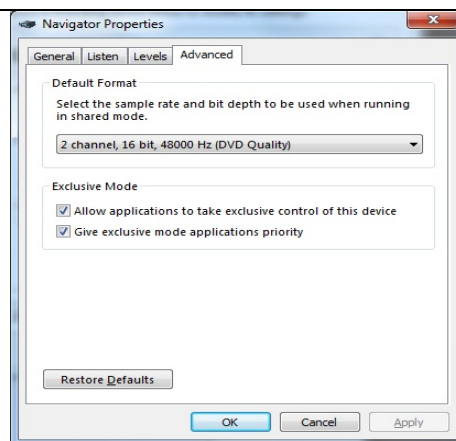 it should be the default device, not the Navigator.	Under the General Tab, change the name of the device from "Microphone" to "Navigator" . Change the icon to look like the icon above.
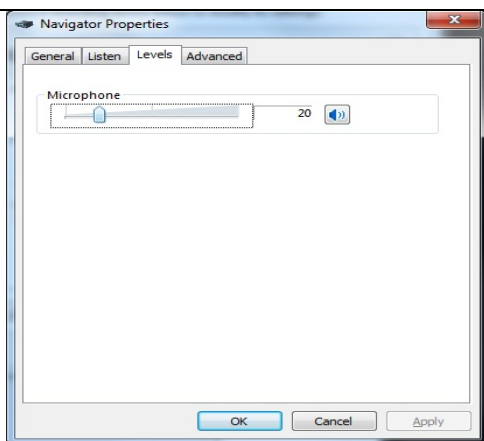
Now click on the "Levels" tab. |
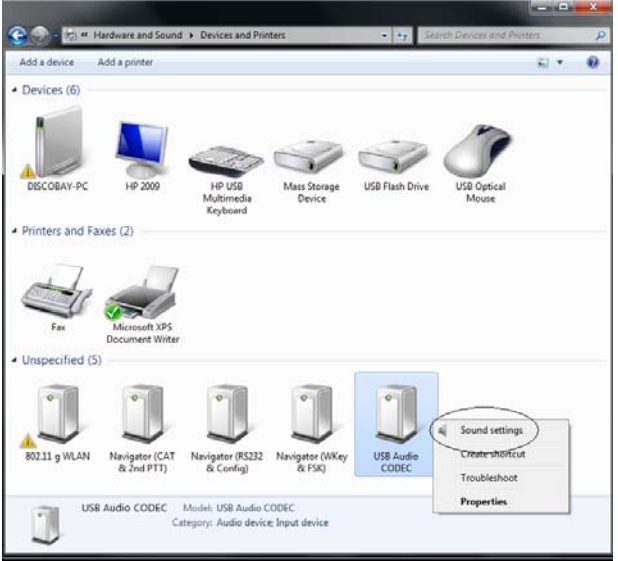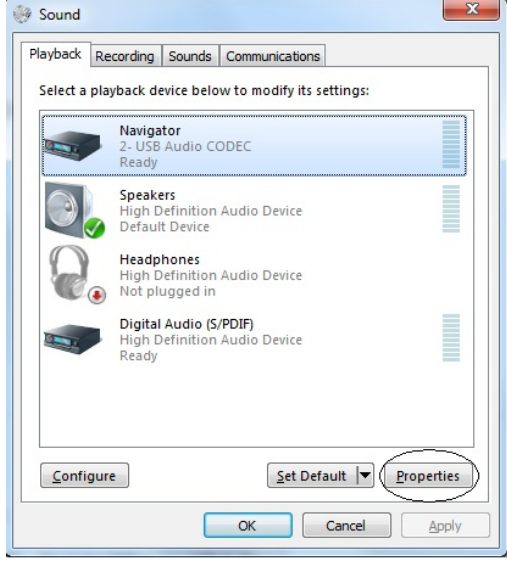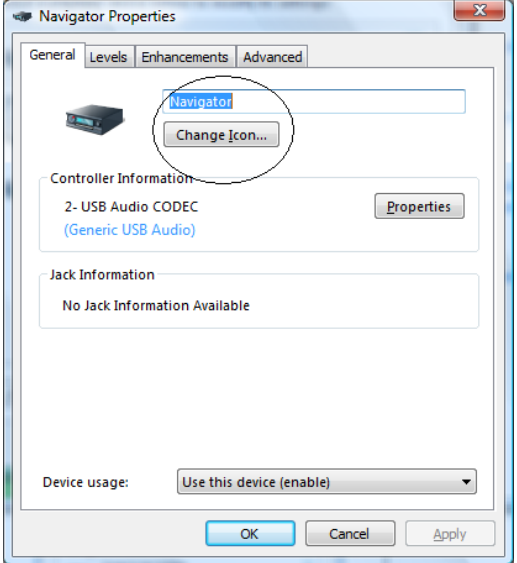

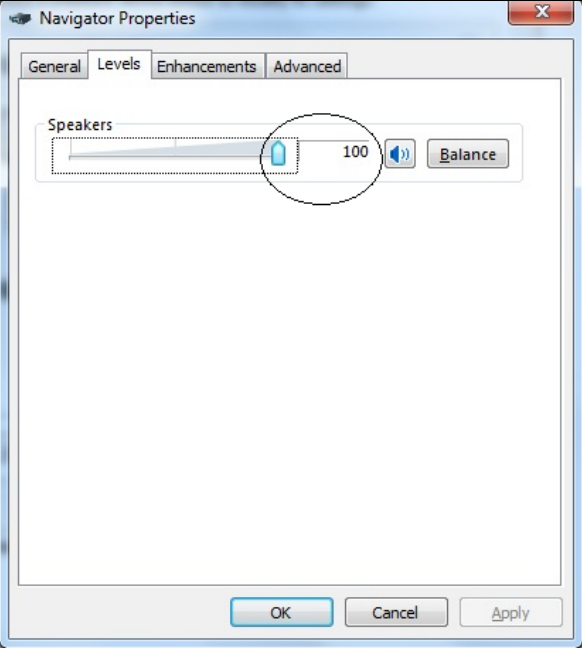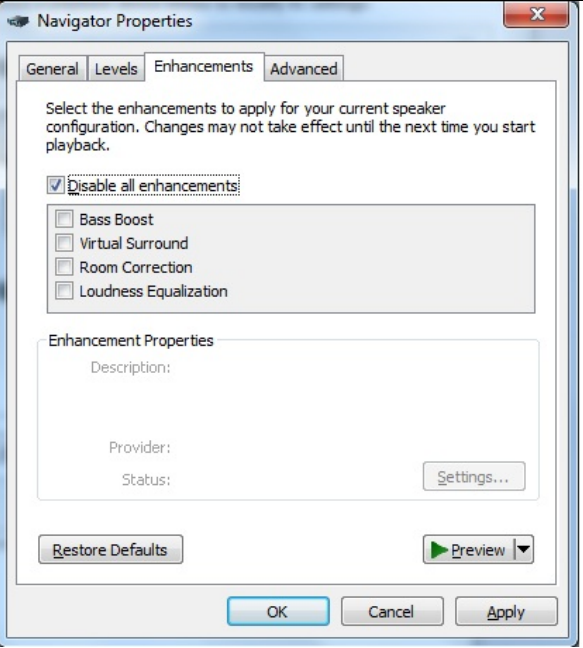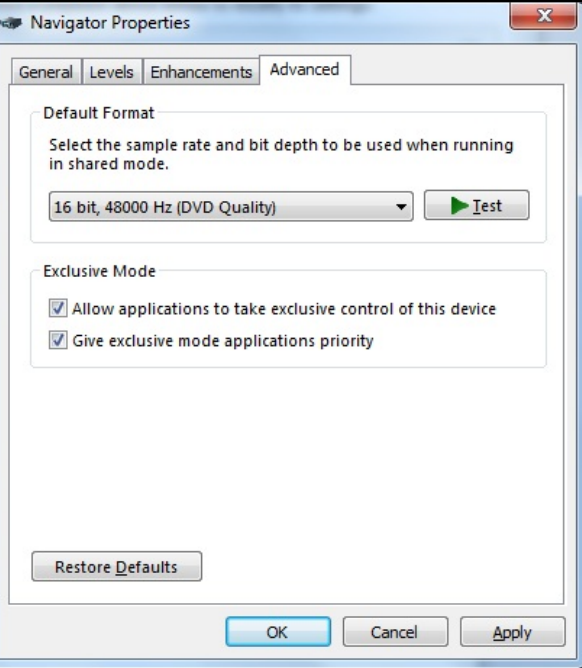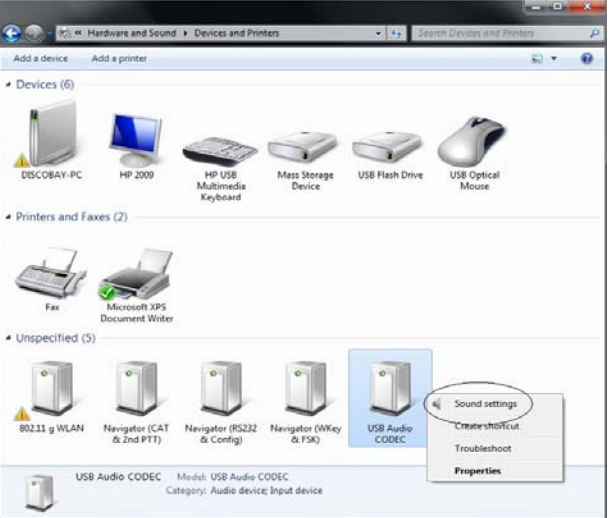|	
Move the slider to the left until you get 20%. Reducing this setting allows operating programs to use the full 100 dB dynamic range of the Codec. Click on "Advanced" tab.	In the Default Format, select "2 channel, 16 bit, 48000 Hz (DVD Quality)". In Exclusive Mode check both items. Click Apply and OK.
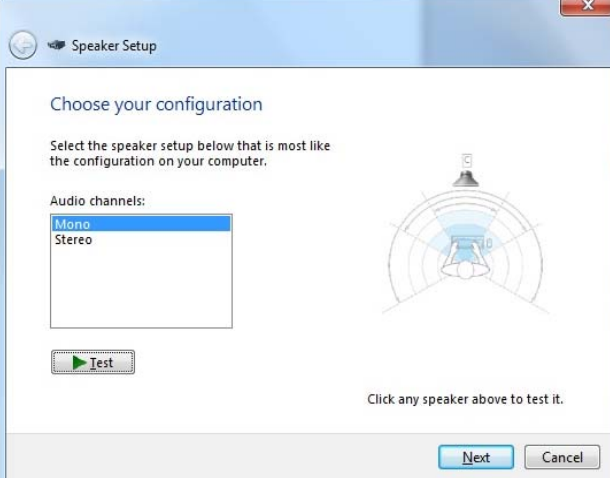
This completes the Audio Input Setup. Audio Output Setup is shown on the following pages.

Audio Output Level Setup Screens

Go to Windows Start / Control Panel. Under Hardware and Sound, click on "View devices and printers".	Right click on the USB Audio Codec device and select "Sound Settings
Select the Playback Tab, click on the USB Audio Codec to highlight it, and then click on Properties. (At this point, your screen may show this as "Speakers" USB Audio Codec, instead of "Navigator")	Under the General Tab, change the name of the device from "Speakers" to "Navigator". Change the icon to look like the icon above. Now click on the "Levels" tab.

Slide the slider to the right until you get 100%. Check the Balance to be sure both channels are at 100%. Click on "Enhancements" tab.	Check "Disable all enhancements" Click on "Advanced" tab

	This completes the Navigator Audio Output level settings in Windows 7. **Next the type of audio channel - mono or stereo will be selected.** **See the next page for this procedure.**
Select 16 bit, 48000 Hz (DVD Quality), and check both items in the Exclusive Mode section. Click on OK	

Audio Output MONO Setup Screens

Go to Start / Control Panel. Under Hardware and Sound, click on "View devices and printers"

On the USB Audio Codec device, right click and select Sound Settings.

Click the Playback tab, Click on "Navigator" USB Audio Codec to highlight it.

Click on Configure

Select "Mono" as the type of Audio Channel. This will send the same audio to both Left and Right Channels of the USB Audio Codec. The Left Channel is the one that will be sent to the transceiver, the Right Channel will drive the Navigator audio monitor. You can test the audio at this point. Turn the Navigator Monitor Knob to the straight up position. Click the Test button. You should hear tones in the Navigator Audio Monitor.

Click Next, and then Click Finish

This completes the Navigator / Windows 7 Audio Output Setup.