How To Quickly Change Sound Card Settings for Different Modes

When switching between different radios, interfaces, and modem software (Vara HF, ARDOP, Packet and Vara FM), it may be necessary to set the Windows Playback and Recording levels differently to achieve the best performance. It can be a problem to remember all the settings for each mode and hardware configuration.

There is a small application that can set the sound card levels from the command line, which can used together with a batch file to quickly change the Windows Playback and Record levels. The application can be found here:
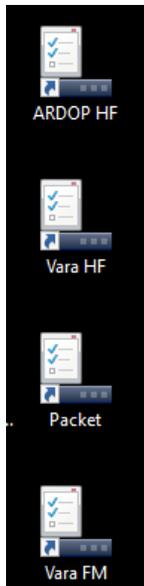https://rlatour.com/setvol/

Here is an example batch file to set the IC-7100 for Vara HF:

```
@echo off
cd /D "C:\Ham\Soundmodem\"
setvol 85 beep device IC-7100 RX (USB Audio CODEC )
setvol 50 beep device IC-7100 TX (USB Audio CODEC )
```

This assumes the required files are in the C:\Ham\Soundmodem folder, adjust these commands to fit your environment.
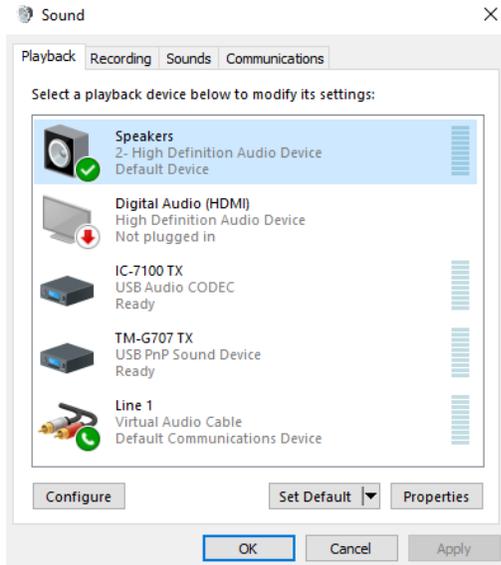
It is easy to build similar batch files for different modes or hardware configurations and then place shortcuts to them on the desktop:

Desktop shortcuts can be set to run minimized, and you can change the icon to more accurately reflect what the shortcut does.

In the example above, the sound card names for the IC-7100 have been renamed in Windows:
"IC-7100 RX (USB Audio CODEC)" for the Record device (receive)
"IC-7100 TX (USB Audio CODEC)" for the Playback device (transmit)
You must use the full name with the setvol application, use the command "setvol device" to see the full names of all your audio devices.

It is strongly advised that you rename your audio devices, especially if you have more than one sound card device attached to your computer:

-Scott, NS7C