



VENTRILO

SURROUND SOUND VOICE COMMUNICATION SOFTWARE

INSTRUCTION MANUAL

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FOR TWC 444

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Introduction

This instruction manual will guide you through the installation procedures and basic program features of the Ventrilo by Flagship Industries freeware. From initial download instructions to the basic aspects of the program, this instruction manual will teach you all you need to know to properly operate Ventrilo. Please refer to the index found on the previous page for quick-reference navigation.

System Requirements

As taken directly from the official Ventrilo website (<http://www.ventrilo.com/about.php>) the client & server requirements are as follows:

• **Client Requirements** •

Windows Platform:

[DirectX 8.1](#) or higher installed on your system.

In order to function properly, the Ventrilo client program requires a sound card that supports Full-Duplex sound playback and microphone recording. It also requires a sound card that is capable of handling multiple sound streams.

Older sound cards like the Creative Labs Sound Blaster 16, PCI and Vibra series are not capable of this, but the newer generation of sound cards like Sound Blaster Live and Audigy are more than sufficient. Other manufacturers sound cards, such as the Turtle Beach Santa Cruz, should also be compatible.

Please be aware that any number of things can effect proper operation of a voice communication program, such as the Operating System, microphone, sound card, sound card drivers and hardware conflicts. Problems caused by any of these items can sometimes be diagnosed and resolved but a lot of them are beyond our control.

Macintosh Platform:

OSX 10.3 or higher

• **Server Requirements** •

The server CPU utilization under most conditions won't even register, so a fairly low level computer should be more than sufficient.

Bandwidth usage is determined by the codec and is dictated by the server. It could be as low as 600 bytes/sec or as high as 8000 bytes/sec per voice stream.

Download

Before you can install the Ventrilo software onto your personal computer, you must first download the application:

- 1.) Open your web browser on your personal computer.
- 2.) Input the URL <http://www.ventrilo.com/download.php> (as shown below in Figure 1).



Figure 1

- 3.) You should now be at a webpage that looks similar to Figure 2. Click the appropriate client application version (this will vary depending on your computer's operating system). Your application will now download.

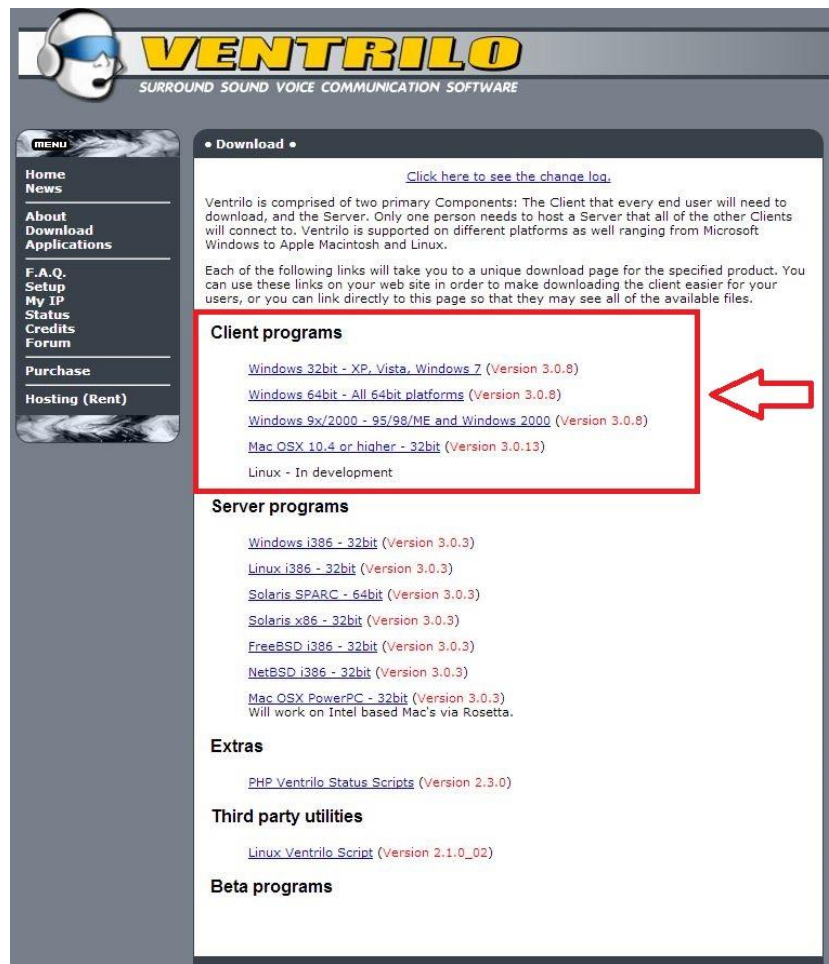


Figure 2

Installation

- 1.) To initiate installation, double-click on the application file you downloaded (Figure 3).



Figure 3

Please note that your file might be labeled and look differently depending on your operating system.

- 2.) Once you run the application file, the Ventrilo Client Setup window will appear (Figure 4).
4.) Click the **NEXT** button to proceed.

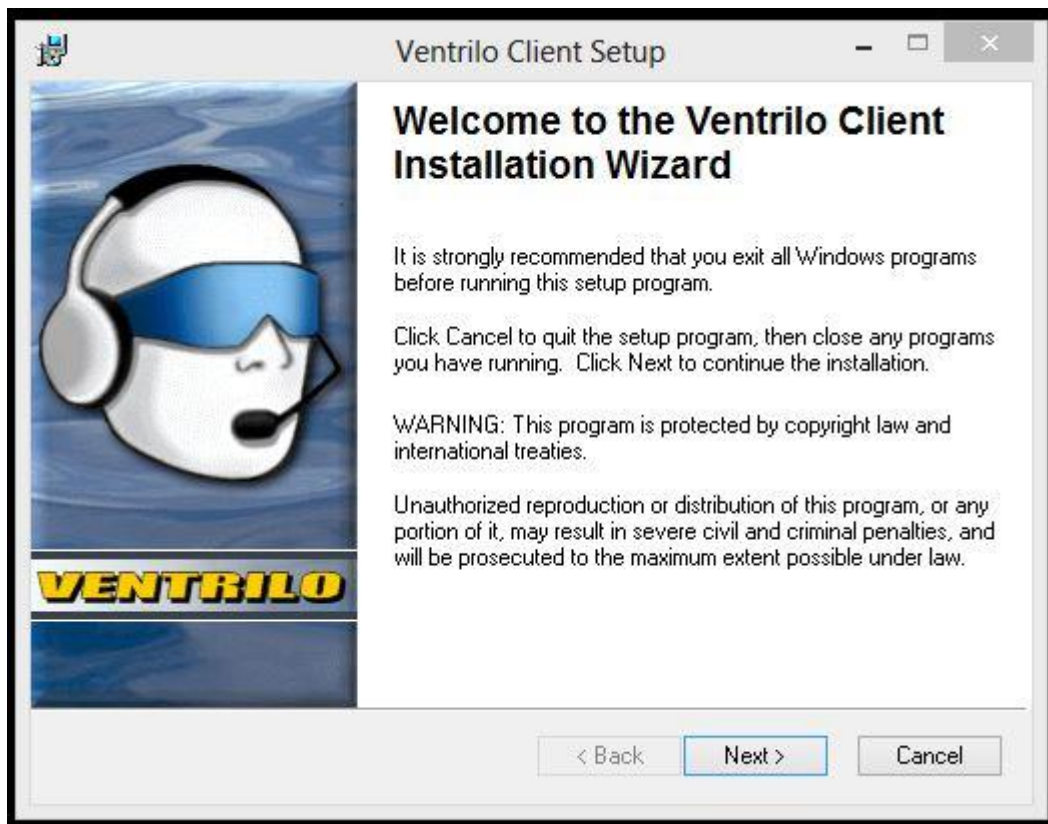


Figure 4

- 3.) You will now be prompted to review the license agreement (Figure 5). After carefully reviewing the agreement, select the “I accept the license agreement” option and click the **NEXT** button to proceed.

Please note that you cannot proceed without accepting the license agreement.



Figure 5

- 4.) You will now be prompted to input your name and organization as well as select who will have access to the program (if on Windows, Figure 6).

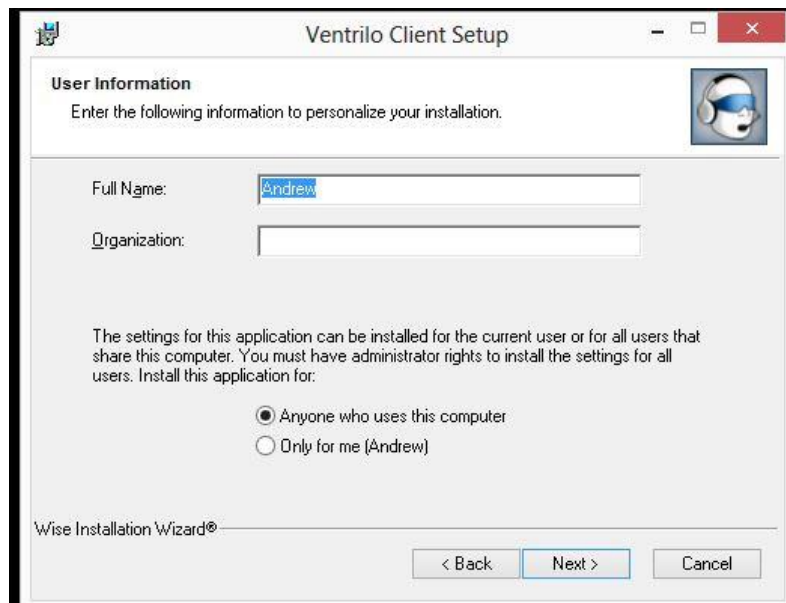


Figure 6

5.) Select your desired installation location then click **NEXT** to proceed (Figure 7).

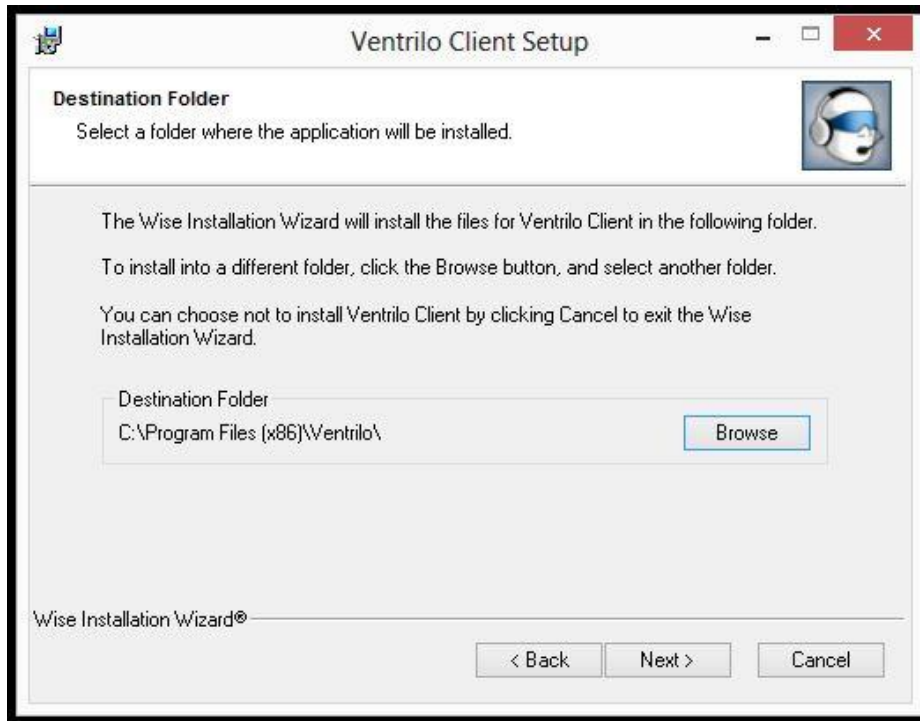


Figure 7

6.) You will be prompted to confirm your installation. Click **NEXT** to proceed (Figure 8).

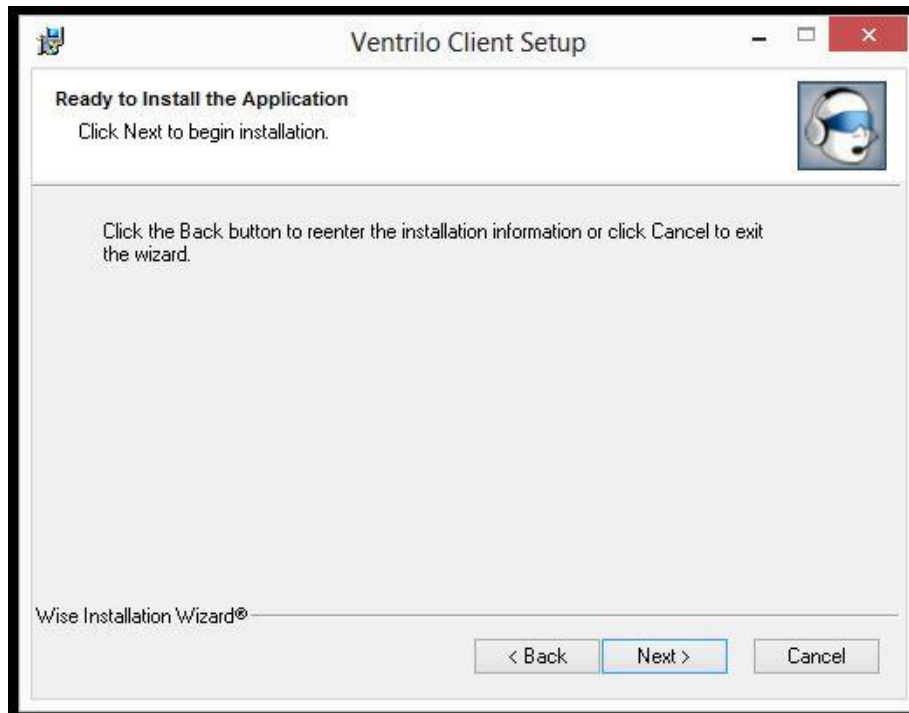


Figure 8

7.) You have successfully installed the Ventrilo client (Figure 9).

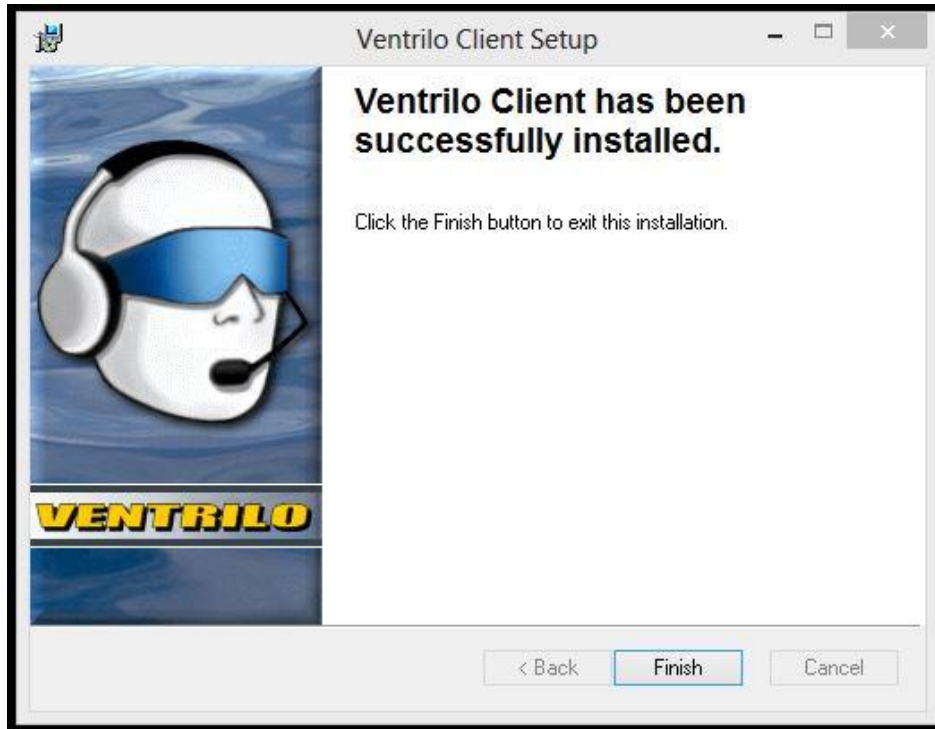


Figure 9

Setup

Once the client program has been installed onto your computer you can use this Quick Setup guide to get started using Ventrilo. Before you start you will need to know these things before you can connect to a server:

- The server's hostname or IP address.
- The server's port number. The default port is 3784 but the server admin may have changed it.
- The server password (if a password is required).

Once you have these essential pieces of information you can begin setting up the Ventrilo client:

Quick Setup

- 1.) Find your Ventrilo shortcut (found in Start → Programs for Windows or on the desktop) and open the program.



Figure 10

- 2.) Click on the first “->” button found to the right of the dropdown menu labeled “User Name” (Figure 11).

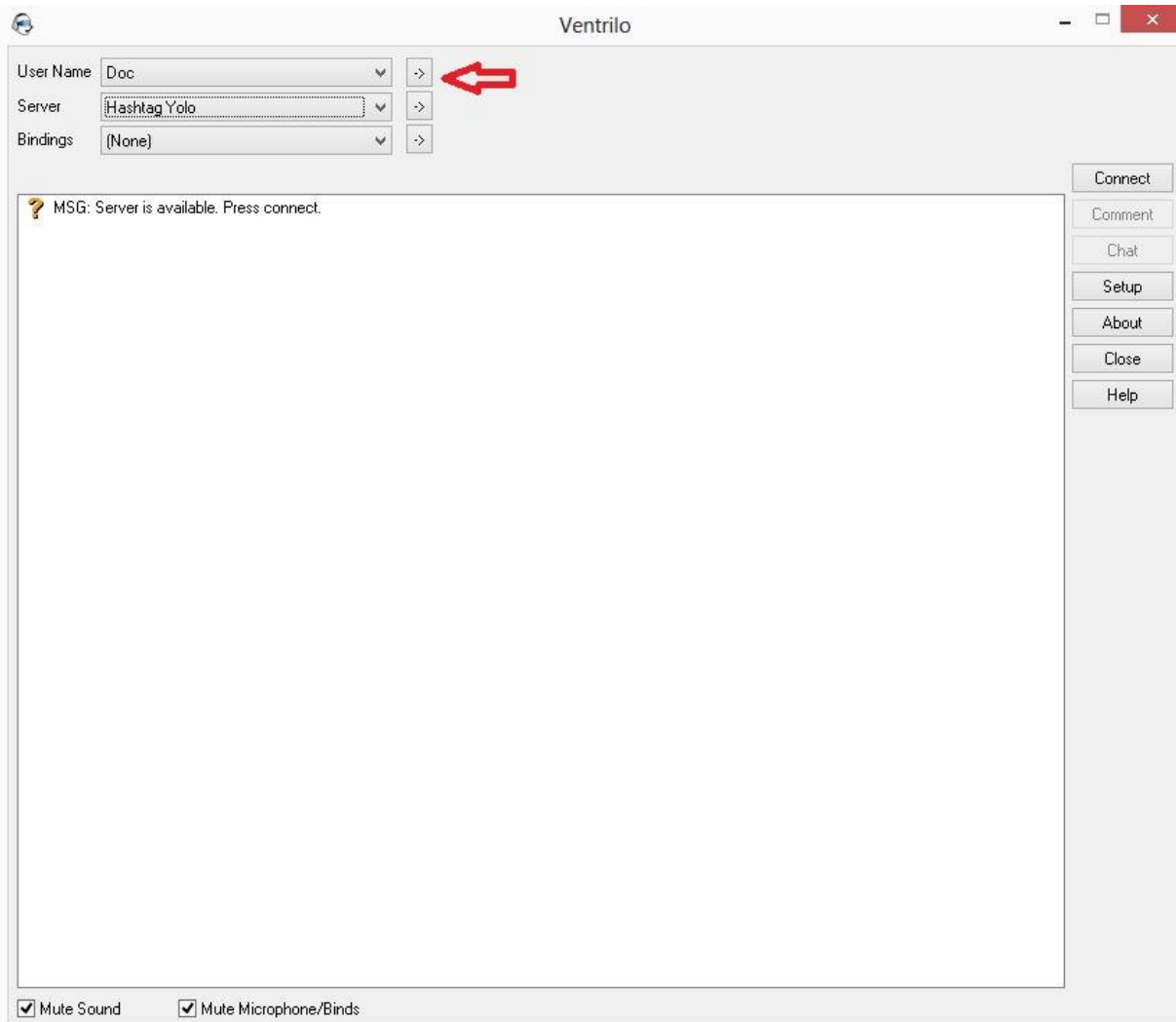


Figure 11

- 3.) In the “Setup User” window, select the NEW button and enter your desired user name, the other input fields are optional. Once you input your name, click the OK button.

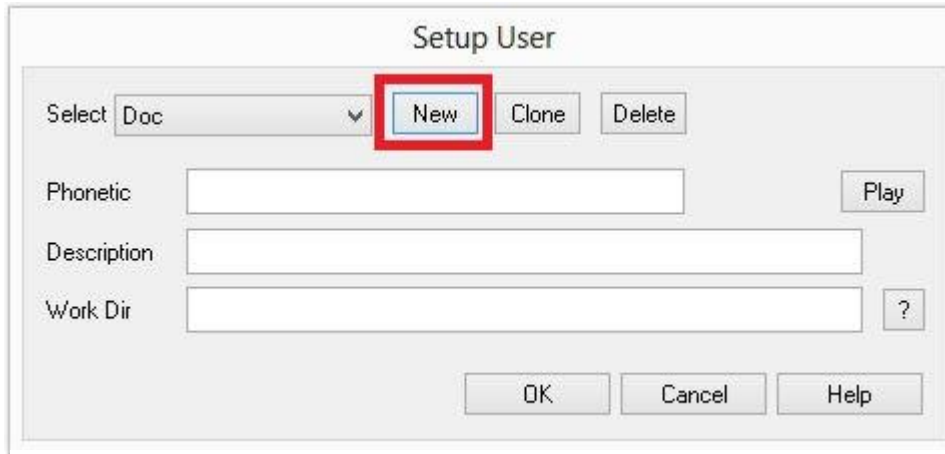


Figure 12

- 4.) Now you are back on the main menu. Click the “→” button that is next to the dropdown menu called “Server”. This will open a new window where you can enter server details.

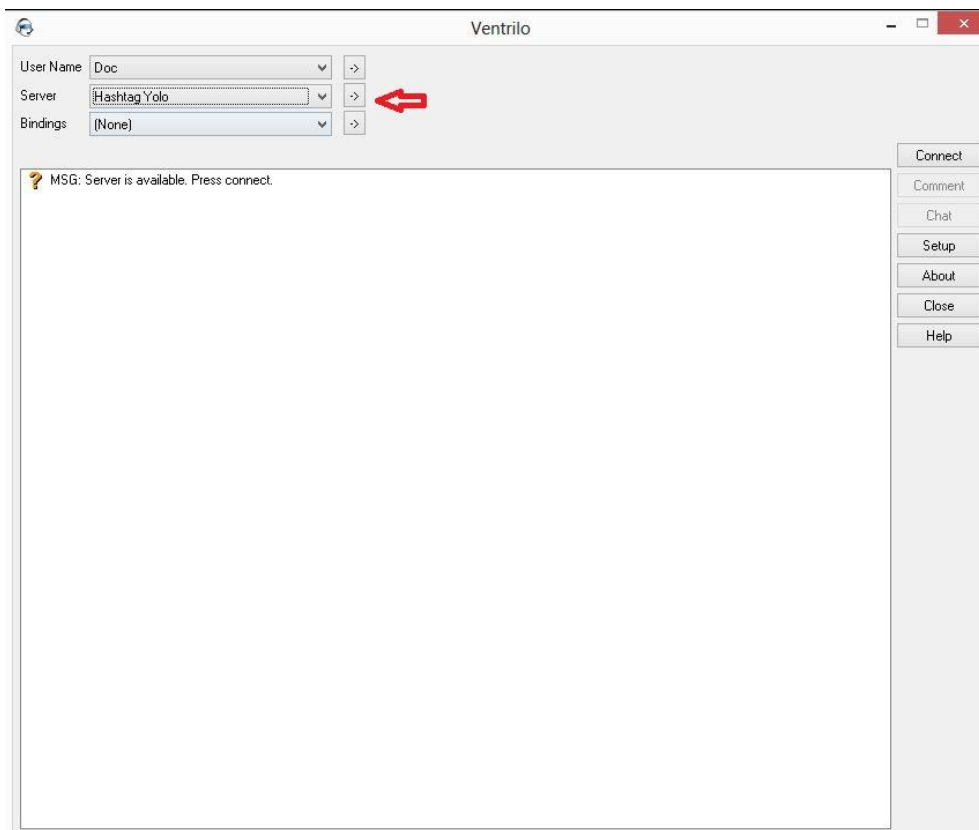


Figure 13

5.) In the Connection Editor window, click the “New” button to input a new server.

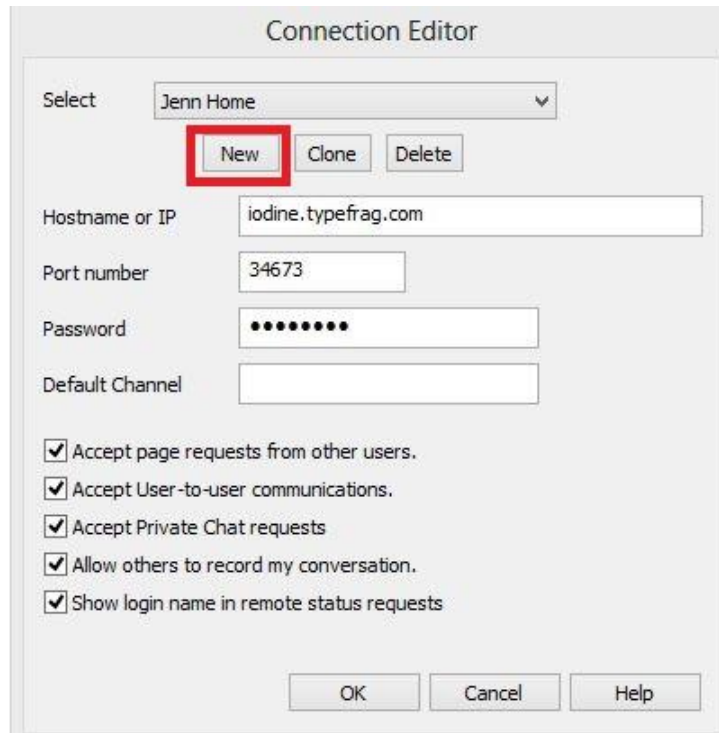


Figure 14

6.) Input any name for your new server and click ok. You will now have the option to input the server information you gathered before you started Quick Setup.

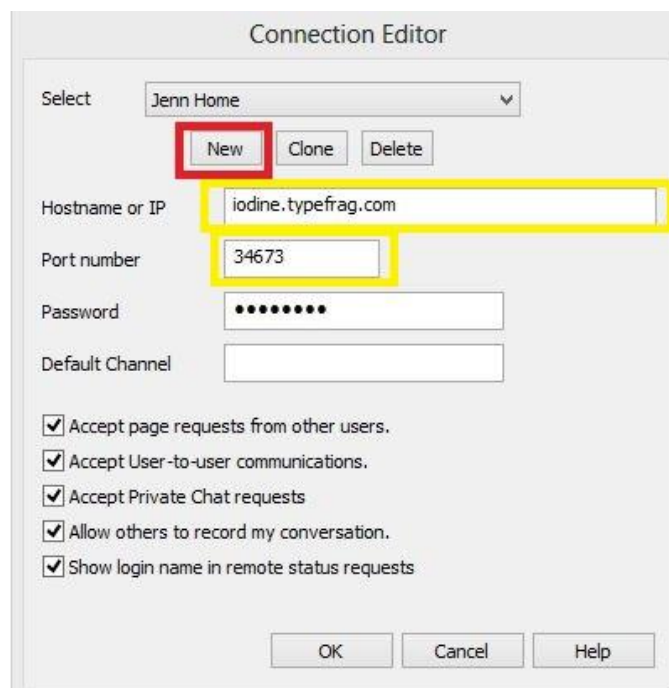


Figure 15

7.) Click the OK button to return to the main menu. You can now click “Connect” to Voice

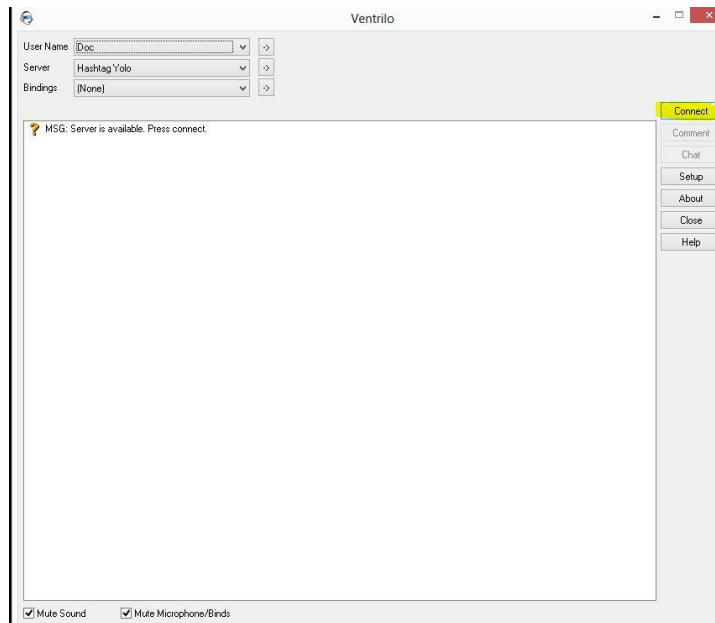


Figure 16

Voice Setup

1.) For microphone and input settings, click the SETUP button found on the main menu.



Figure 17

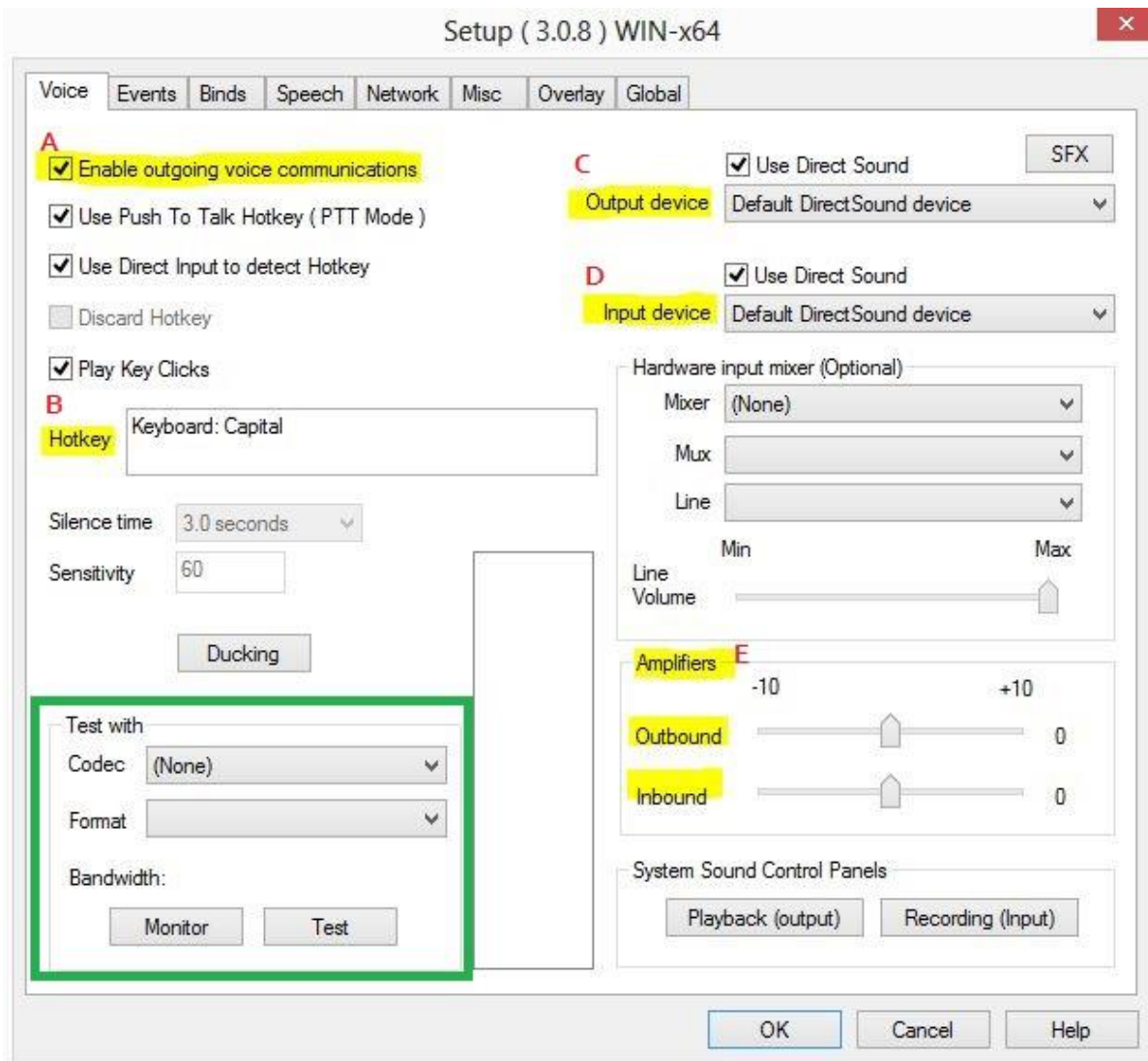


Figure 18

A - Ensure “Enable outgoing voice communications” is checked. This cycles your voice output on or off.

B - If the “Use Push To Talk Hotkey (PTT Mode)” is selected, input your desired hotkey here. You will only transmit voice when the assigned key is pressed and held.

C – Select your desired output from the dropdown menu. This will vary depending on the available output options on your computer. Leave as default if unsure with Direct Sound checked.

D – Select your desired input device (microphone). This will vary depending on your peripherals. Leave as default if unsure with Direct Sound checked.

E – Adjust your inbound and outbound volume accordingly. Outbound is your microphone input and inbound is incoming audio (other users’ transmissions).

To test your current outbound volume, refer to the “Test with” box (highlighted in green). Select any codec and format, then click TEST. Any recorded audio will be played back to you.

Events

You can customize and adjust the audio announcement that plays when a particular event happens:

- 1.) Click SETUP from the main menu (Figure 21).



Figure 19

The box highlighted in red is the list of events that can be edited (Figure 22).

The box highlighted in green contains the different options available when customizing the selected event (Figure 22).

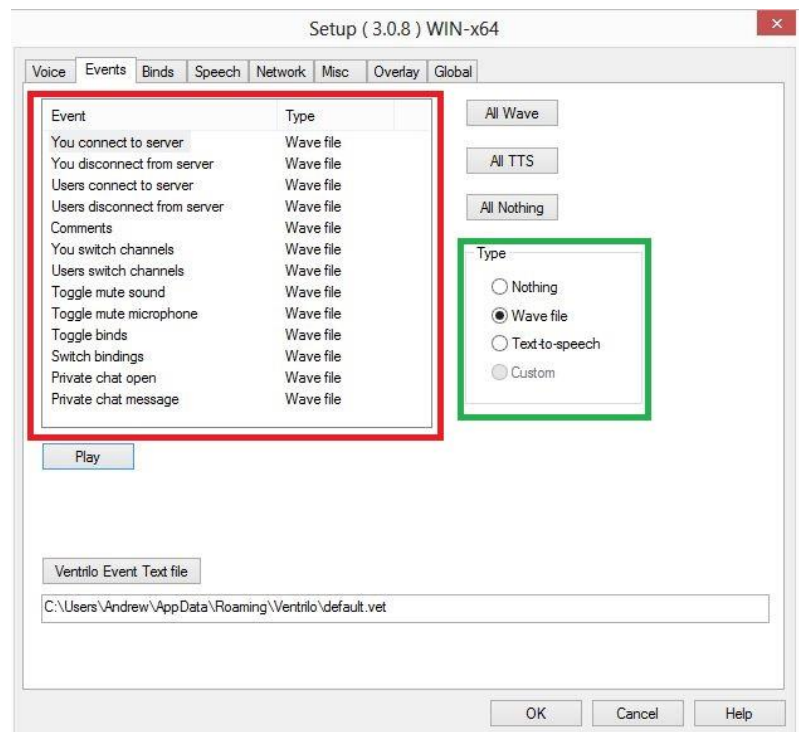


Figure 20

Wave File – Predetermined audio event that plays when an event happens.

Text to speech – The Ventrilo client reads the text aloud with a male voice.

Nothing - The event does not have an audio component.

Binds

It is possible to customize your **BINDS** option in the Ventrilo client. Binds are a way for users to create predetermined audio queues that can be bound to a hot key and played for users to hear.

1.) From the main Ventrilo menu, click the **SETUP** button.

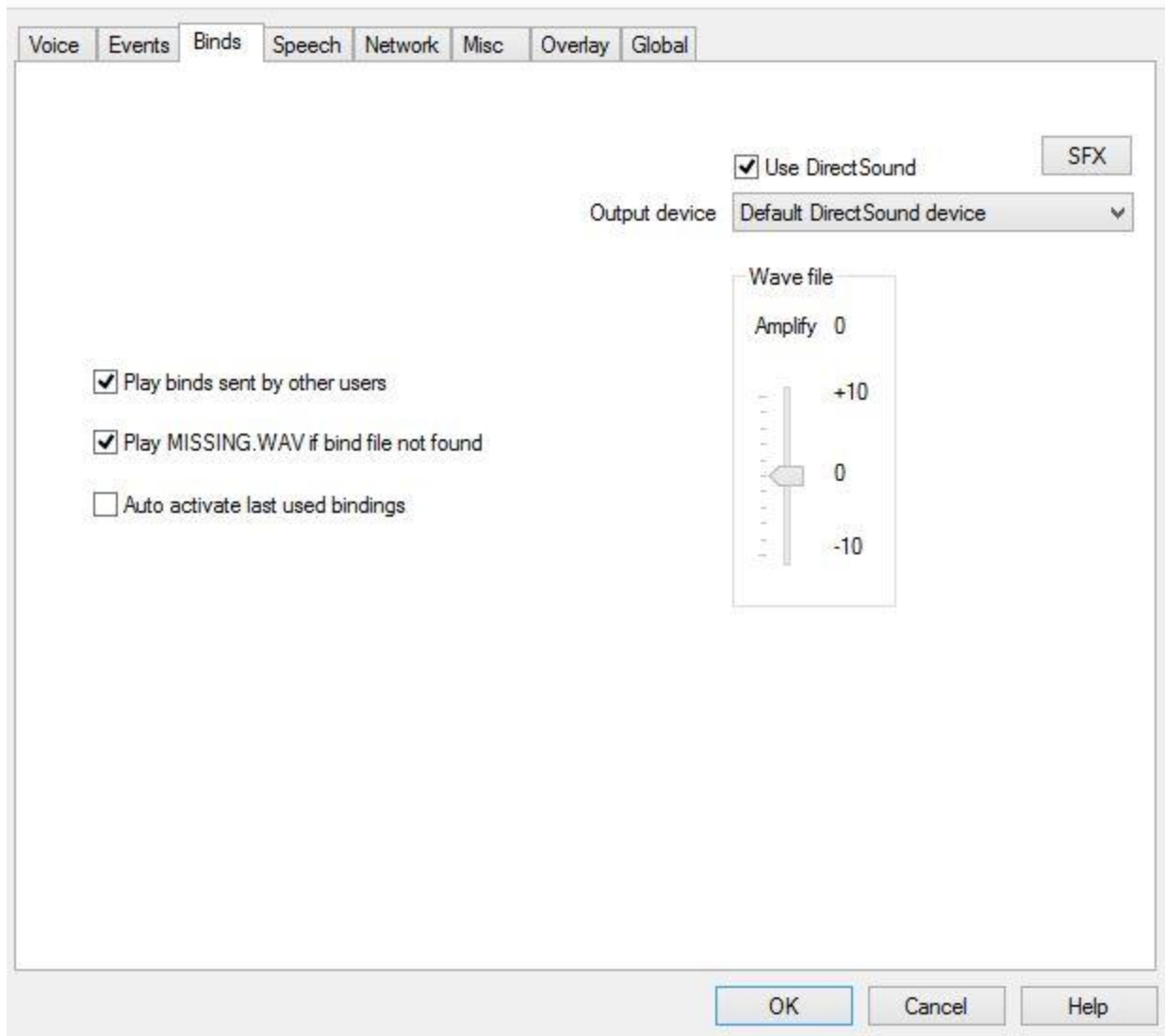


Figure 20

2.) Click the **BINDS** tab located at the top of the setup window.

On this screen you have the option to disable binds, increase or decrease the volume of binds, as well as the option to play a specific audio file if a bind is not found.

Speech

Ventrilo also offers the ability to send **TEXT TO SPEECH** communication. That is, the user can input typed text and the Ventrilo client will read aloud the inputted words.

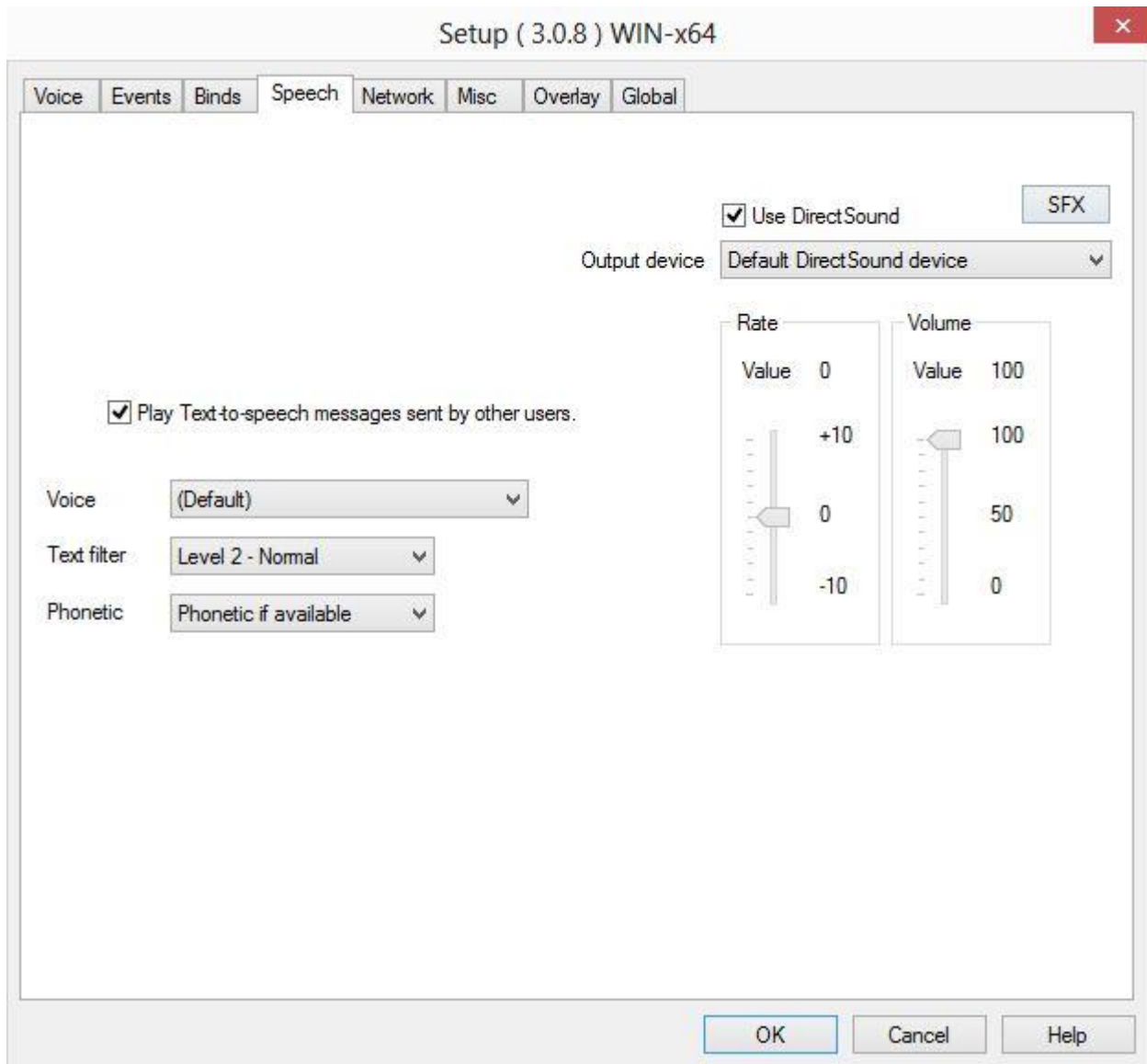


Figure 21

- 1.) From the main menu, click the **SETUP** button.
- 2.) Click the **SPEECH** tab located at the top of the “Setup” window.

On this screen you have the option to adjust volume of incoming text to speech as well as the frequency (rate) at which they occur. There is also the option to toggle on or off the ability to receive text-to-speech.

Network

Ventrilo offers the ability to auto-reconnect if a connecting to a server is interrupted. It is possible to customize these settings if desired.

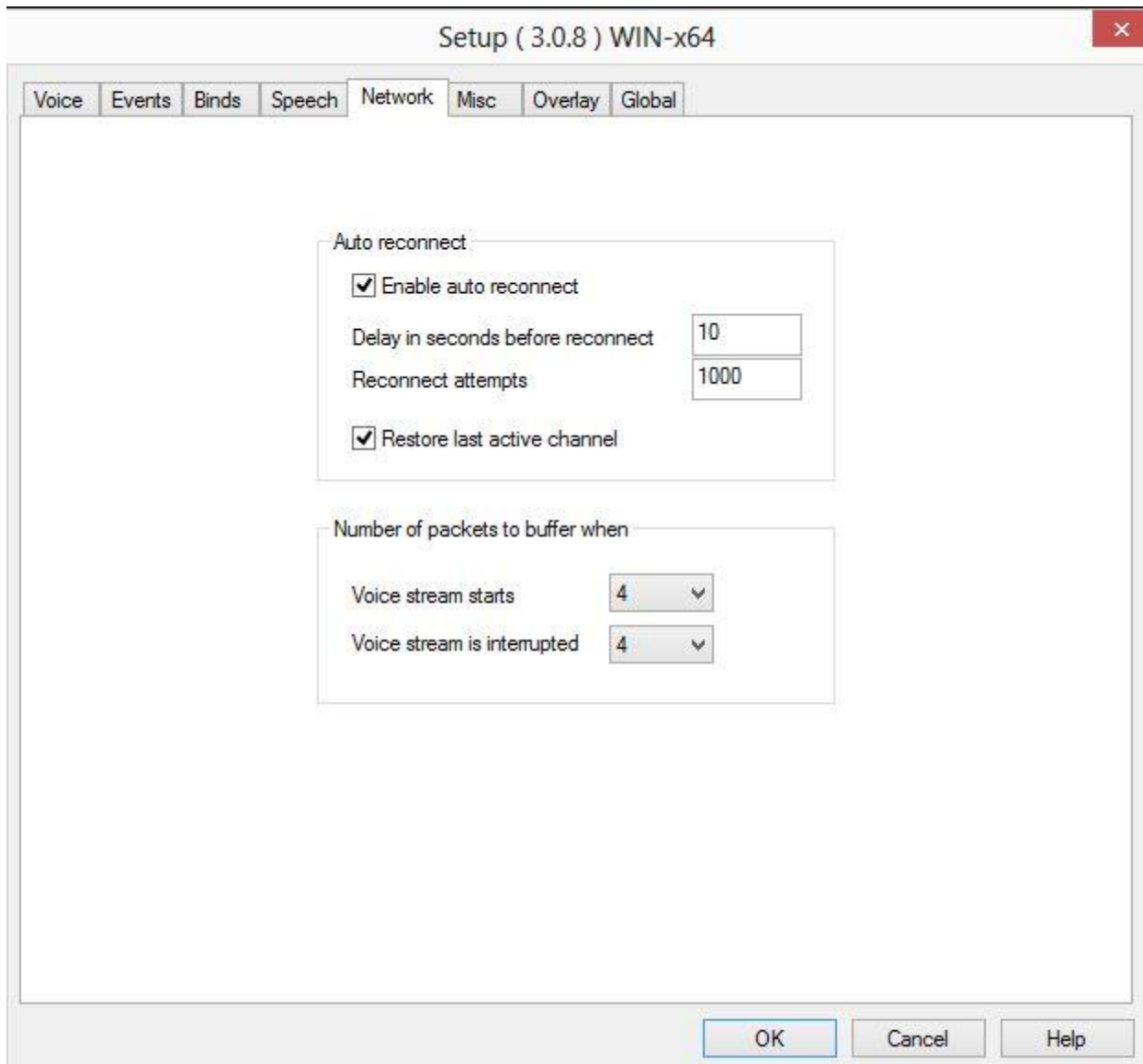


Figure 22

- 1.) From the main menu, click the **SETUP** button.
- 2.) Click the **NETWORK** tab located at the top of the setup window.

On network screen you have the option to toggle on/off auto reconnect, customize the retry attempts and delays as well as toggle the option to automatically join the last channel you were in before you disconnected.

Miscellaneous

The Ventrilo client has a number of miscellaneous options available to further customize your experience.

- 1.) Click **SETUP** on the main menu.
- 2.) Click the **MISC** tab located at the top of the setup window.

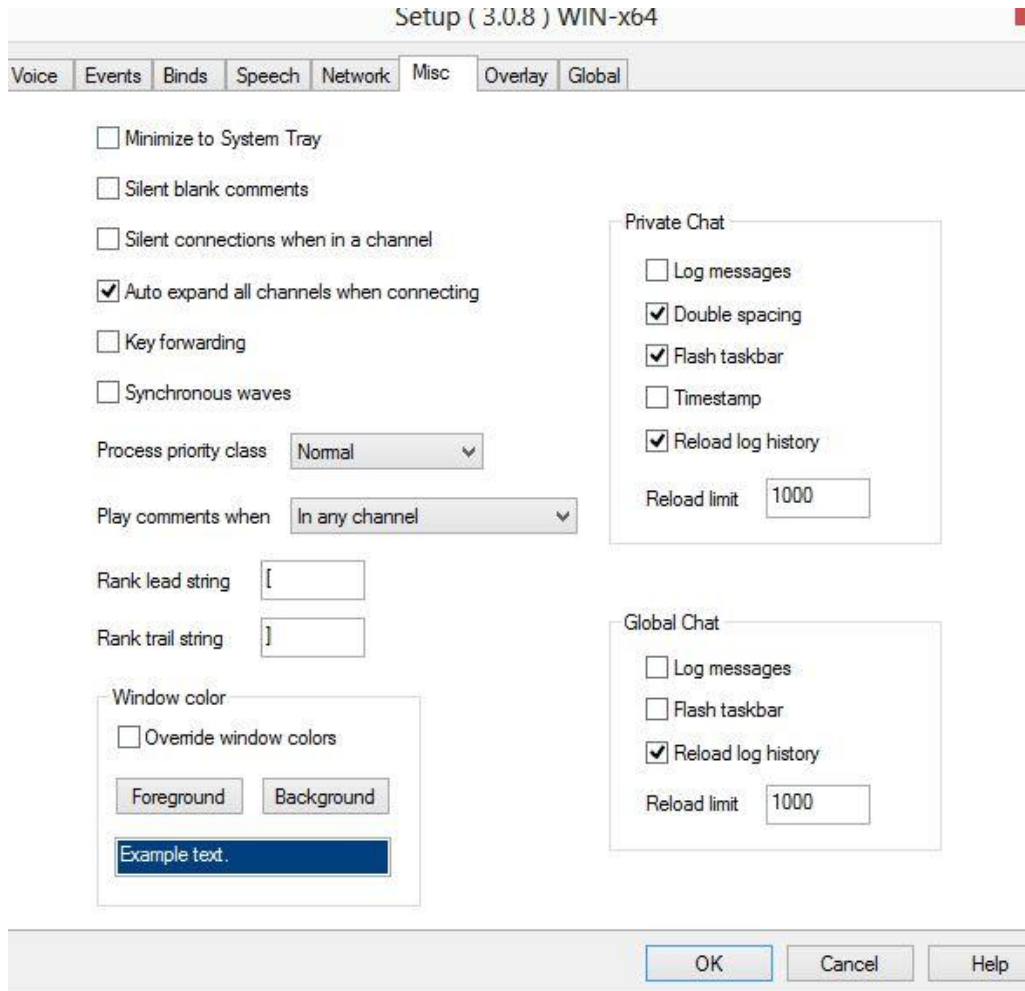


Figure 23

WARNING

Altering these default settings can dramatically change the way Ventrilo functions.

Overlay

As a feature, Ventrilo offers the ability to display an overlay in any full screen application you may run on your computer. An overlay will show information in game/application that wouldn't normally be seen otherwise if the game is in full screen mode.

To enable overlay:

- 1.) Click the **SETUP** button on the main menu.
- 2.) Click the **OVERLAY** tab located at the top of the setup window.
- 3.) Toggle on/off overlay by checking "Enable Overlay Support"

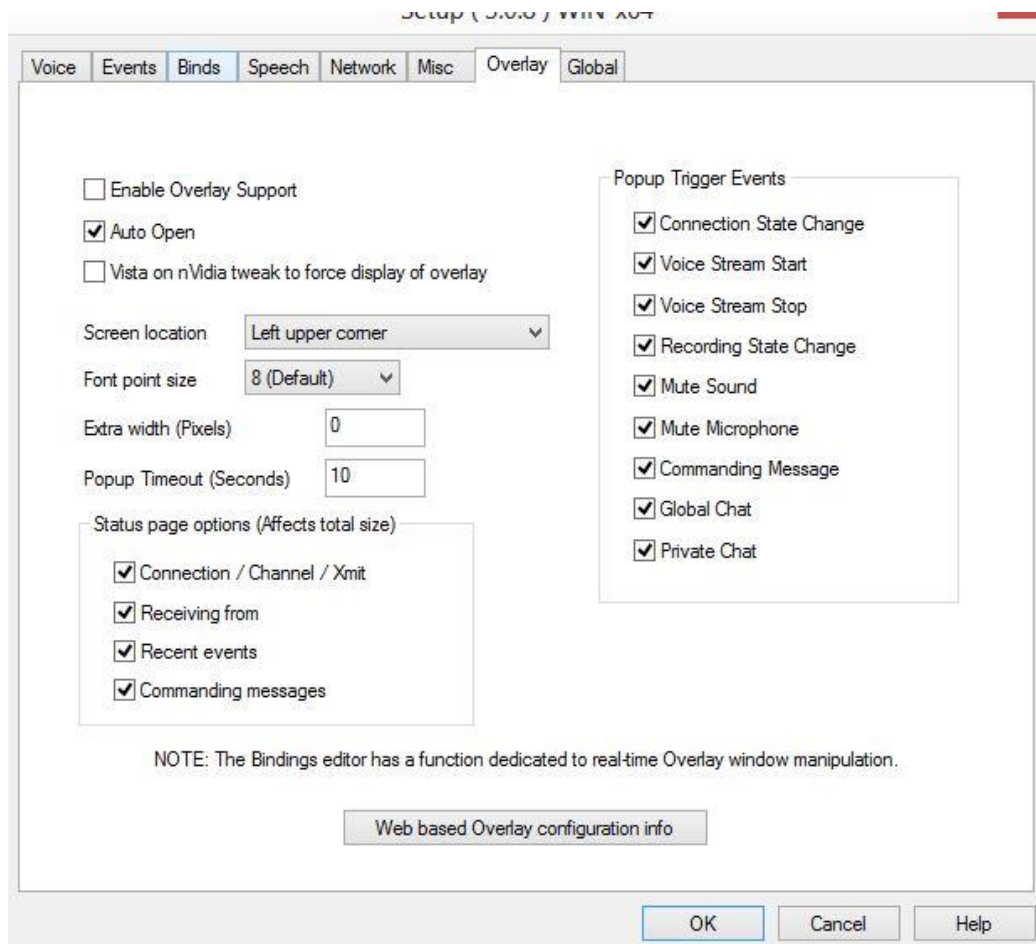


Figure 24

Customize your overlay by checking/unchecking the provided options found throughout the window.

Global

Ventrilo has an option to toggle on/off the notification for a new client be available as well as the support for external gaming hardware devices.

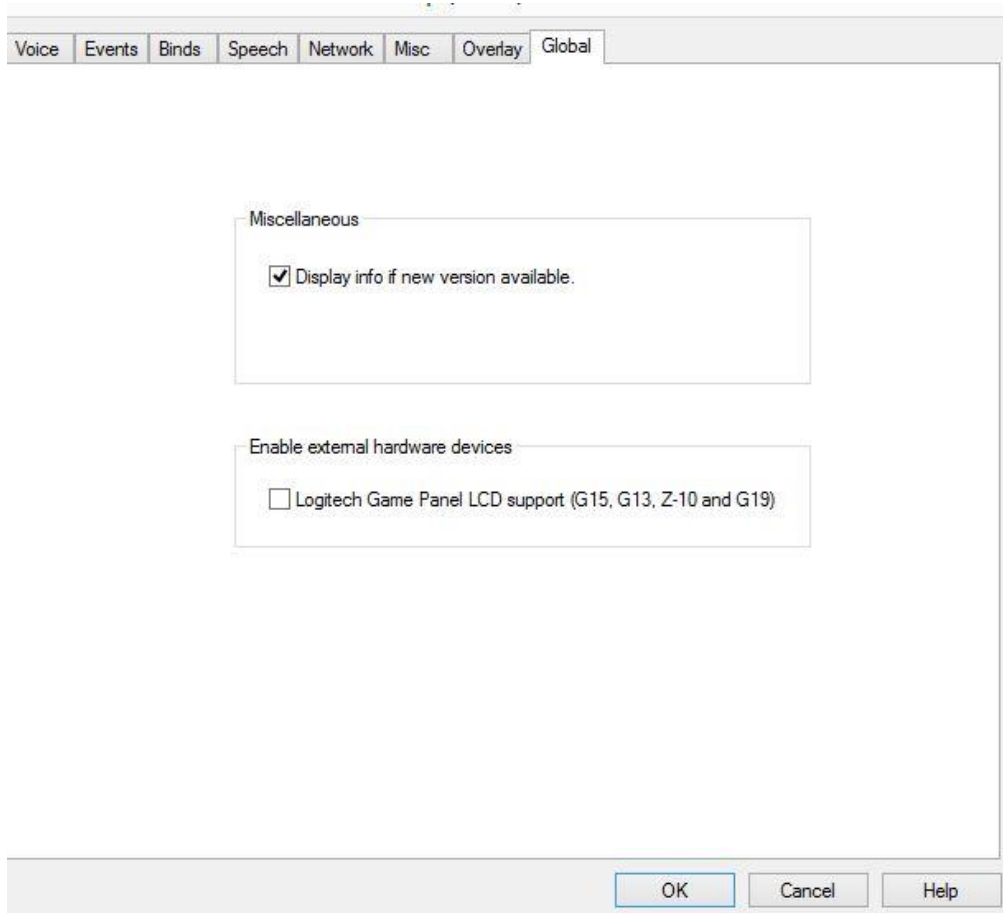


Figure 25

- 1.) Click the **SETUP** button located on the main menu.
- 2.) Click the **GLOBAL** tab located at the top of the setup window.

Check/uncheck your desired settings. If you are having trouble with any external gaming peripheral. Please refer to the individual manufacturer's handbook for compatibility and troubleshooting.

Troubleshooting

In case the event occurs that you are having technical difficulty with any feature or the setup of your Ventrilo client. Please refer to the below common problems and solutions which is located on the main Ventrilo website (www.ventrilo.com).

• Server - Trouble shooting •

Q: The server returns to the command prompt as soon as I start it.

A: If you used the "-d" command line option on a UNIX version of the server then this is normal. See the log file for any indications of problems.

A: The program should give some idea of why it has stopped. If you started it in daemon mode then check the log file for possible indications as to why.

A: If you are trying to run the ventrilo server on a computer that is shared with other users, then it's possible that someone already has a ventrilo server running on the same port that you are trying to use. Edit the INI file and instruct your copy of the server to use a different port number.

Q: I'm running the server behind a firewall/router and no one on the outside can connect to my server.

A: Router's generally do not allow inbound connections from the outside world. However, they can be instructed to do so by a mechanism called "port forwarding", sometimes referred to as "ip forwarding", which allows for incoming connections to a specific port number to be routed to a machine on your internal network and behind the router. It is beyond the scope of this document to instruct you how to configure your router to do these things. You will need to read the instruction manual for your router or call the manufacturer for help.

Q: Clients get an "Unable to authenticate" error message when trying to connect to my server.

A: They do not have the correct server password defined. Have them re-enter the password you gave them. Remember that passwords are case sensitive. So if someone you know likes having the "caps lock" key on make sure they turn it off before entering the password for your server.

Q: How do I figure what my IP address is so others can connect to my server.

A: If you sit behind a router then you will need to read the routers setup manual. It should tell you how to determine what your current external IP address is.

A: Goto the [My IP](#) page and it will show you your IP address.

A: If your computer is connected directly to a Cable/DSL modem then you can open a "Command Prompt" window and type "ipconfig". This should give you the current IP address. However, if the number it gives you starts with "192.168" or "10.0" then this is not your external IP address and you are probably connected through a router.

Q: I'm trying to run the Linux server on RedHat80 systems and get the error message: libstdc++-libc6.2-2.so.3: cannot open shared object file.

When setting up the Operating System you didn't tell it to install everything. You will need to download the library RPM and install it with the following commands.

[Click here to download the RPM.](#)

```
rpm -i compat-libstdc++-7.3-2.96.110.i386.rpm
```

See the [FAQ's page](#) for more questions and answers.

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For the latest patches and updates, be sure to frequent www.ventrilo.com.