

The Server Addressbook screen is where you manage the list of servers that you can connect to.

Each server is represented by a row in the list. The heading (first line) in each row shows the description of the server if you have entered one, or the host name. The subheading (second line) in each row is the nickname you have assigned to use on this server. You could have several entries to the same host that have different nicknames.

To remove a server you can either swipe your finger across a row then press the red Delete button or tap the Edit button to delete and/or reorder several rows at once.

Connect to Server / Server Summary

Tap anywhere on the row except for the server detail button to connect to the server. The summary shows the name or description of the server as well as the nickname that you will connect with.

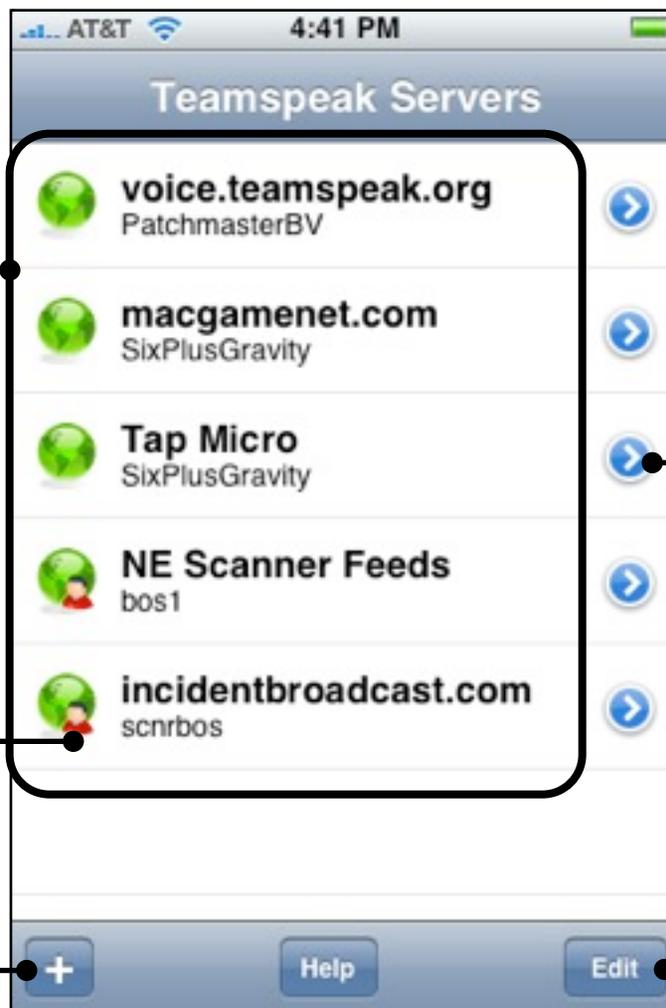
Note that many servers require you to be registered before using the server. Since PhoneSpeex does not currently support user registration, you must use your regular desktop TeamSpeak client to perform the registration. You can then use those credentials to login using PhoneSpeex.

Registered User

A red user icon on the globe means you are configured to access the server as a registered user.

Add New Server

Add a new server by tapping here.



Server Detail

Click the blue disclosure triangle to view or edit the details of the server on this row.
See the next section for more information.

Edit Server List

Tap the *Edit* button to remove a server or reorder the list.
You can also swipe your finger across a row to bring up the option to delete a server.

Server Detail

Adding or Editing Connection Information

The server detail screen is where you enter all the information you need to connect to a particular server.

In some cases the server will require a password to log in, even though you are an unregistered user. If you are having trouble logging in, check with the server administrator or web site to make sure the server does not have a password. <http://www.tsviewer.com/> should be helpful to see if the server has a password.

Host Name

This is the server's DNS name or IP address. Sometimes you will see a server with a colon (':') in the name, this is shorthand for *hostname:port*, do not include the ':' or anything following in this field, that will be added in the *Server Port* field.

Description

This is an optional description that will be displayed as the title of the server in the Addressbook if it exists.

Server Port

This is the numeric value of the port to connect to. The default is 8767 but it is often different. If you see the server written as *hostname:port* then enter the number after the ':' here.

Nickname

The name you will be seen as on the server.

Server Password

The password to access the server if required.

Teamspeak Servers

Teamspeak Server

Host Name voice.teamspeak.org >

Description Optional >

Server Port 8767 >

User Identity

Registered OFF

Nickname James >

Server Password >

Registered User

If you turn the registered switch on you can login in as a registered user. Currently, PhoneSpeex is not able to perform the registration itself, so you may do that with a regular desktop client if required.

Once you have selected Registered, enter the login name and password you used to register, which can be different from your Nickname.

Registered ON

Nickname James >

Login Name jb >

Login Password ●●●●● >

Browsing Channels/Users

Seeing What's Happening on the Server

Once you are connected to a server you will be able to browse the channels on the server as well as see the appropriate users. Depending on how the server is configured you may not be able to see the users in a channel until you join the channel.

Click on any channel row (indicated by an icon of a group of people) to connect to the channel. Note that it may take several seconds, based on the server response, for your own user icon to appear in the selected channel. The channel you are currently in is shown in the status bar at the bottom of the screen.

If you tap on a user row (indicated by an icon of a single person) nothing will currently happen.

Tap the blue disclosure icon to the right of any channel or user row to see more information about that channel or user.

Disconnect

Disconnects you from the current server and returns you to the AddressBook screen. PhoneSpeex only supports a single server connection at a time.

Channel / Status Indicator

The channel you are in is shown at the left and the last status message is shown at the right.

Channels

Any row with an icon of multiple people is a channel / group.

If the channel has a lock icon overlaid, it means that channel requires a password to join. You will be prompted to enter a password when joining this channel.

To join a channel, tap on the channel row anywhere except the blue detail disclosure indicator at the right.

Subchannels are shown indented from their parent channel.



User Speaking / Status Indicator

Multifunction control that shows who's speaking as well your status. See next section for more information.

Users

Any row with an icon of a single user at the left represents a user in a channel. The color of the icon indicates the status of the user at that particular moment.

User Status

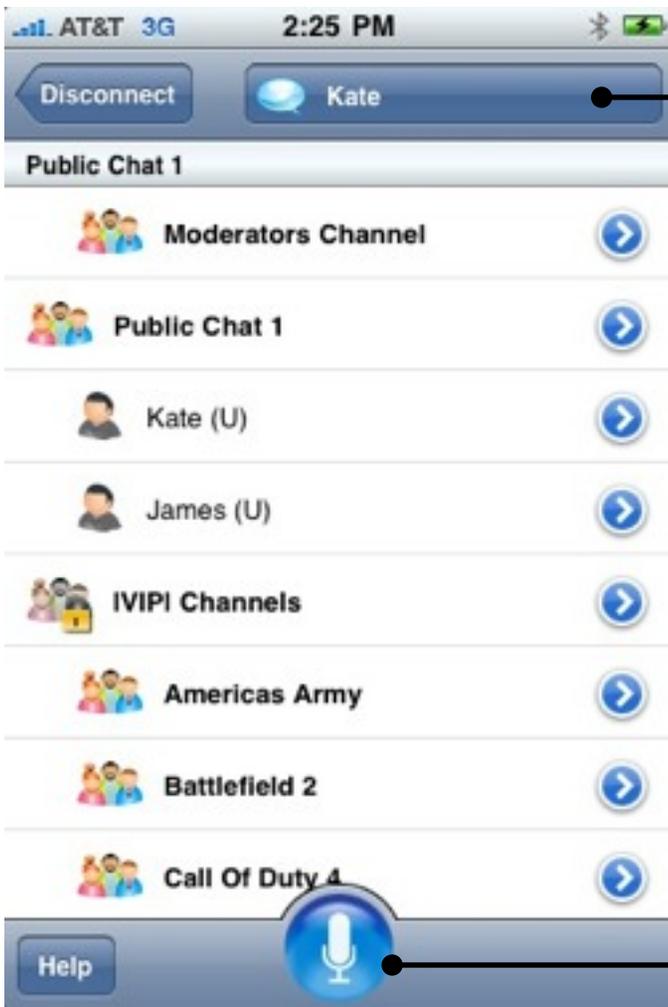
-  Normal (Black)
-  Mute Microphone (Blue)
-  Mute Speaker (Red)
-  Mute Both [Mic & Speaker] (Red)
-  Away (Orange)

Voice Transmit Button

Push to talk, toggle or change voice activation settings. **Red when transmitting.**

See next section for more information.

Once you have joined a channel, you will hear the audio in that channel. PhoneSpeex does not currently multiplex the audio from multiple users so once someone starts talking, they will be the primary audio until they stop speaking and a certain time has elapsed. Most of the actions can be performed using the transmit button and the multifunction status indicator/button at the top-right of the screen. PhoneSpeex uses the standard abbreviation to indicate user flags (next to the name) and channel flags can be turned on in the preferences.



User Speaking / Status Indicator

This is a multifunction control that shows who's speaking as well as allowing you to see or change your status.

User Speaking Indicator

When another user is speaking, the indicator will show a voice bubble icon as well as the name of the person speaking. You can still adjust your status while this is happening.

Changing Your Status

Tap the status indicator to cycle through the available statuses. When you first tap, the indicator will start flashing to indicate that the status is in the process of changing. Keep tapping until you get to the status you want to set. After a second or so with no taps the control will stop flashing and your status will be set on the server.

When your status is normal your nickname will be displayed.

Voice Transmit Button

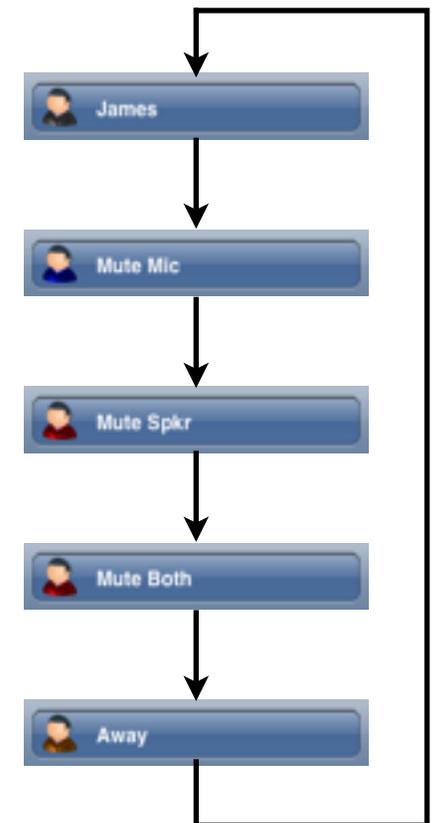
Sends voice, depending on mode.

Note that if your status is set to Mute Mic, Mute Both or Away then the push-to-talk will be disabled. It can be useful to set your status to one of these to avoid inadvertently pressing the button.

User Speaking Indicator



Tap To Cycle Status



Voice Transmit Mode

What you need to do to be heard

There are 3 different voice transmit modes in PhoneSpeex:

- **Voice Activated:** Voice is sent when the volume reaches a pre-determined threshold. It stops when it drops below this threshold.
- **Push To Talk:** Voice is sent as long as the transmit button is held down. When the finger is removed from the button, voice stops.
- **Push To Toggle:** Press the transmit button once to start sending voice. Press again to stop sending voice.

The voice transmit mode can be configured in the Settings app.

Setting the Voice Activation Level

The voice activation level is the volume at which the microphone input level must reach before voice starts.

In general, you will want to set the level to be slightly higher than the ambient background noise level.

Automatic Setting

Refrain from speaking then press and hold the "Auto-Set" button. The slider will quickly go all the way to the left, then as it detects background noise it will slide the level to the right to always be slightly louder than the loudest level it heard while the button was pressed. When you release the button that level will be used.

Manual Setting

Use the Voice Level Meter as a visual indication of the ambient noise level. Move the slider to the left to make the voice activation more sensitive. Move the slider to the right to make the voice activation less sensitive, louder voice will be required to trigger the transmitting. If you are using PhoneSpeex in a noisy environment you will want it further to the right.



Voice Activation Level Slider

Move this to set the volume level at which voice will be sent, relative to the current voice level shown on the meter.

Voice Level Meter

This bar-style meter shows the current RMS level of the microphone input.

Voice Activation Level Auto-Set

While this button is pressed, the voice activation level slider will be moved to slightly higher than the maximum detected voice level.

Voice Transmit Button

This button will display the voice activation settings in voice-activated mode. It will cause voice to be transmitted in the other modes. This button will be **blue when voice is not being sent** and **red when voice is being sent** and grey when the mic is muted.

Preferences

Configure the Way PhoneSpeex Works



The PhoneSpeex preferences are accessed through the Apple *Settings* app, usually on the home screen of your iPhone (unless you moved it). Launch the *Settings* app and scroll down to the PhoneSpeex row. Tapping on this row will open the preferences panel for PhoneSpeex shown below.

Output To Receiver

Use this mode if you wish to listen with the iPhone held to your ear. Normally, if there is no headset plugged in, PhoneSpeex will output audio through the built-in speaker. If *Output To Receiver* is set to on, PhoneSpeex will output audio to the phone receiver near the top of the screen used to take regular phone calls.

In this mode the screen is set to blank out so that the controls are not accidentally activated by your head. This also means that the push-to-talk button cannot be used.

Initial State

If you want to automatically switch to a particular status after logging in, set that here.



Use Large Buffer

Increases the size of the buffer used to stream audio. Try switching this on if the audio drops out frequently.

Voice Transmit Mode

Sets the operation of the voice transmit button. See section on voice transmit mode for details.

Show Server Greeting

When logging in, the server may send a greeting message. Set to off to disable the popup message.

Show Codec Warning

PhoneSpeex only supports the Speex codec. If you join a channel that uses a different kind of codec, you will not be able to send or receive audio and will receive a warning from PhoneSpeex. Set to off to disable the popup message.

Show Channel Flags

Set to on to show the channel status in the Channel/User screen. They can be verbose so this is off by default.