

Mohawk Voice 1.0 Release Notes

Client Build 1415 – November 7, 2009

Server build 845 supports client builds from 1373

Bugs Fixed Since RC2:

1. **[Client]** The trace route to server function was aborting with a “Buffer too small” error when attempting to perform an offline (unconnected) trace to some URL’s such as www.google.com. Fixed.
2. **[Client, Server]** If a thread’s suspend count was greater than one, which is possible under unusual circumstances, an attempt to log off would fail with a “WaitForSingleObject timed out” error. Fixed.
3. **[Client]** An error would result if another user was connected at logon or connected afterwards if the user’s audio output device did not support dual-channel (stereo) output. That is, the device supported only mono or required more than two channels of data. Fixed.
4. **[Client, Server]** A “WaitForSingleObject timed out” error would result if a thread’s Destroy routine was entered a second time before the first call to Destroy had completed. Fixed.
5. **[Setup]** The URL used to download Adobe Acrobat Reader was not always usable. Changed to direct to an Adobe URL allowing version and OS selection.
6. **[Client]** A “WaitForSingleObject timed out” error would sometimes occur after a user’s disconnect request if a reply from the server was being processed. Fixed.
7. **[Client/Server]** Log files were not being retained for the expected three-day retention period after the file was last changed. Instead, the previous log file was always being overwritten except in the case where multiple servers were being run on the same computer. Fixed.
8. **[Client]** If a logoff action was incomplete when the server dropped the connection, the client would usually fail to complete the logoff successfully, issuing a “lost connection” message and fail to re-enable the “Connect” button. Fixed.
9. **[Client]** The system administrator’s Setup System Parameters form’s “Restore Default Values” button was not functioning as described. The actual functionality was to restore all values as they were when the form was entered. The button’s label has been changed to “Undo Changes.”
10. **[Client]** Surround sound (4, 5.1 or 7.1) speaker setups were not always being handled properly and exceptions would occur in some cases under Vista. Fixed.
11. **[Client]** An exception would occur if a Push-to-Talk key was defined and the key was pressed during connection to the server. Fixed.
12. **[Client]** The client would sometimes time out waiting for the audio input thread to terminate if audio input was active when disconnecting. Fixed.

New Features and Non-Bug Changes Since RC2

1. **[Registered Server]** A registered server is now limited to listening to a single IP address. Only a single /ip= command line parameter is now allowed. Specifying more than one will receive the diagnostic:

Too many /IP= parameters specified on the command line, limit is 1 and the server will be terminated.

2. **[Registered Server]** Registered servers are now required to specify their IP address via the command line /ip= parameter. If absent the diagnostic:

An IP address must be specified on the command line (/ip=) will be issued.

A free server may or may not have an /ip= specification and multiple IP addresses may be specified. . If no /ip= parameter is specified, all available IP addresses on the server's system will be listened to.

3. **[All]** Command line parameter error checking and diagnostics have been improved. If an error is detected, one of the following messages will be displayed and the program will terminate. In these messages, the parameter found is represented by <p>, <n> is some integer value, and <x> is any non-parameter item.

The value of the command line parameter <p>=<n> is outside the valid range of <n> to <n>

The value of the command line parameter <p> must be an integer

Unknown command line parameter: <p>

A parameter <p> starts with a slash or a dash but it is not recognized by this particular Mohawk program.

Too many <p> parameters specified on the command line, limit is <n>

A <p> parameter must be specified on the command line

The parameter <p> must appear once and only once on the command line but it is absent.

Too few <p> parameters specified on the command line, must have at least <n>

The parameter <p> must appear at least <n> times on the command line but it does not appear that often.

The <p> command line parameter must [not] have a "=" and a value

Parameters have two forms, Boolean (True if they appear, False if they do not) and value. A value parameter has an equal sign ("=") and something after it. This error is displayed if a Boolean parameter <p> has an equal sign or a value parameter <p> is missing the equal sign.

Invalid command line item "<x>". Parameters must start with a "/" or a "-"

The text <x> appears on the command line but it does not start with a slash or a dash.

4. **[Registered Server]** Registered servers are required to specify their provider key on the command line. The format of this parameter is:

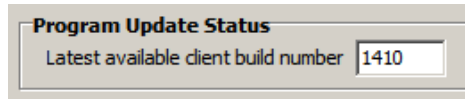
/key=ccc-cccc-cccc

where "c" is a single character. The key value must match the Mohawk-assigned provider key exactly, including letter case. If no key is provided or if the key is invalid, the server will be terminated. The /key= parameter is not valid with the free server.

5. **[Free Server]** A free server now has no allowable command line parameters, the default port (socket) numbers used (9150, 9151 and 9152) cannot be changed, and the IP's the server will "listen to" cannot be specified. A free server will automatically listen to all IP's available on the user's system.

6. **[Server]** The server's uptime display is now updated only once per minute instead of once per second, reducing overhead.
7. **[Server]** The server will now sense if it is running as a Windows service and if so it will write all windowed messages and questions to the disk log instead of a window and will assume the default reply (e.g. Yes, OK, etc.). This is part of the effort to allow the server to run as a native service without external compatibility support.
8. **[Server]** The server will now sense if it is running as a Windows service and if so it will skip as many windowed writes as possible. Writes to the visual tree, however, remain written. This is part of the effort to allow the server to run as a native service without external compatibility support.
9. **[Client]** The Information form now provides additional information about the audio devices in use by the connection. The input and output devices are now shown separately and the audio input or output device in use is included.
10. **[Client/Server]** The system administrator's "Set system parameters" form now allows the latest available Mohawk Voice client build number to be set. This value is initialized to the value included in the server but may be changed to any integer value from 1000 to 65000.

If the new value is less than the previous value the user is warned and asked for permission to accept the new value.



When a user connects to a server, the build number of the Mohawk Voice program in use is compared to this value. If the latest build number is greater the user is notified by a message at the bottom of the client's main form. A latest build value of 1000 effectively disables this notification function.

Other Notes:

1. **No IPv6 support.** Only IPv4-style IP addresses are supported at the present time.
2. Mohawk's push-to-talk feature doesn't care which mouse you use to click the button. Yes, Windows supports multiple mice simultaneously! Hook up two and let your left hand fight with your right hand over which hand controls the mouse cursor ☺
3. A user remains able to send a text message to himself and a system or channel administrator can force-disconnect himself. This is by design and there is no plan to change it.