



### WinScribe Support for Citrix

#### INTRODUCTION

A new feature available for WinScribe version 3.5+ is the ability to operate in a Citrix thin client environment in two different modes. This document describes each of these modes, and the requirements for each.

#### MODE OF OPERATION

The two supported modes of operation are:

##### Native Citrix

In native Citrix mode, WinScribe utilizes the underlying Citrix support for audio recording, play back and hardware support to operate.

##### Virtual Channel

In virtual channel mode, WinScribe implements its own audio recording, play back and hardware device support utilizing Citrix virtual channels. This mode of operation allows WinScribe to support a wider range of hardware devices, as well as providing support for older versions of Citrix.

#### CITRIX REQUIREMENTS

##### Native Citrix Mode

###### Server

- Citrix MetaFrame Presentation Server 3 Advanced/ Enterprise

###### Client

- Win32 ICA Client Version 8.0+

##### Virtual Channel Mode

###### Server (one of the following):

- Citrix MetaFrame Presentation Server 3 Advanced/ Enterprise
- MetaFrame 1.8 for Windows 2000
- MetaFrame 1.8 for Windows NT 4.0, Terminal Server Edition

###### Client

- Win32 ICA Client Version 6.00.905 or later

#### Audio Quality

In a Citrix environment, WinScribe can be configured (per user) to support one of three audio qualities:

Setting	Description
Low	Uses the least bandwidth, audio quality deteriorates slightly.
Medium	Uses a medium amount of bandwidth, but produces good quality audio.
High	Uses the most bandwidth, but produces the best audio quality. Suitable for speech recognition.

#### Bandwidth Usage

Quality	Native Citrix	Virtual Channel
Low	64kbps	13kbps
Medium	64kbps	18kbps
High	64kbps	18kbps play back 32kbps record 25kbps average

#### Limitations

##### Native Citrix:

Limitation	Notes
Recording	Audio recording is only supported on Metaframe Presentation Server 3 Advanced/Enterprise
Hardware Devices	The following dictation devices are supported: <ul style="list-style-type: none"> <li>• Serial devices</li> <li>• Philips SpeechMike and USB foot pedal (requires Metaframe Presentation Server 3 Advanced/Enterprise)</li> </ul>

##### Virtual Channel:

Limitation	Notes
Hardware Devices	The following dictation devices are supported: <ul style="list-style-type: none"> <li>• Serial devices</li> <li>• Philips SpeechMike and USB foot pedal</li> <li>• WinScribe foot pedal</li> <li>• Olympus RS foot pedals</li> <li>• Olympus DS4000</li> </ul>



### WinScribe Support for Terminal Services

#### INTRODUCTION

A new feature available for WinScribe version 3.5+ is the ability to operate in a Terminal Services thin client environment in two different modes. This document describes each of these modes, and the requirements for each.

#### MODE OF OPERATION

The two supported modes of operation are:

##### Native Terminal Services

In native Terminal Services mode, WinScribe utilizes the underlying Terminal Services support for audio play back and hardware support to operate.

##### Virtual Channel

In virtual channel mode, WinScribe implements its own audio recording, play back and hardware device support utilizing Terminal Services virtual channels. This mode of operation allows WinScribe to support a wider range of hardware devices, as well as support for older versions of Terminal Services.

#### TERMINAL SERVICES REQUIREMENTS

##### Native Terminal Services Mode

Server:

- Windows 2003 Terminal Services

Client:

- RDP 5.0 client or later

##### Virtual Channel Mode

Server (one of the following):

- Windows 2000
- Windows XP
- Windows 2003

Client:

- RDP 5.0 client or later

#### Audio Quality

In a Terminal Services environment, WinScribe can be configured (per user) to support one of three audio qualities:

Setting	Description
Low	Uses the least bandwidth, audio quality deteriorates slightly.
Medium	Uses a medium amount of bandwidth, but produces good quality audio.
High	Uses the most bandwidth, but produces the best audio quality. Suitable for speech recognition.

#### Bandwidth Usage

Quality	Native Citrix	Virtual Channel
Low	64kbps	13kbps
Medium	64kbps	18kbps
High	64kbps	18kbps play back 32kbps record 25kbps average

#### Limitations

##### Native Terminal Services:

Limitation	Notes
Recording	Audio recording is not supported
Hardware Devices	The following dictation devices are supported: <ul style="list-style-type: none"> <li>• Serial devices</li> </ul>

##### Virtual Channel:

Limitation	Notes
Hardware Devices	The following dictation devices are supported: <ul style="list-style-type: none"> <li>• Serial devices</li> <li>• Philips SpeechMike and USB foot pedal</li> <li>• WinScribe foot pedal</li> <li>• Olympus RS foot pedals</li> <li>• Olympus DS4000</li> </ul>