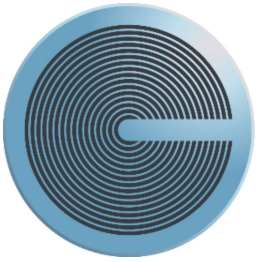

AppController®

User Guide

iOS

6.2

AppController®

Running AppController

AppController allows users to connect to hosts and run Windows applications remotely from the Apple iPad, iPhone, and iPod Touch. AppController maintains a high degree of usability by automatically touch-enabling Windows applications.

Using AppController

After launching AppController, tap the **Add Connection** button to connect to a host.

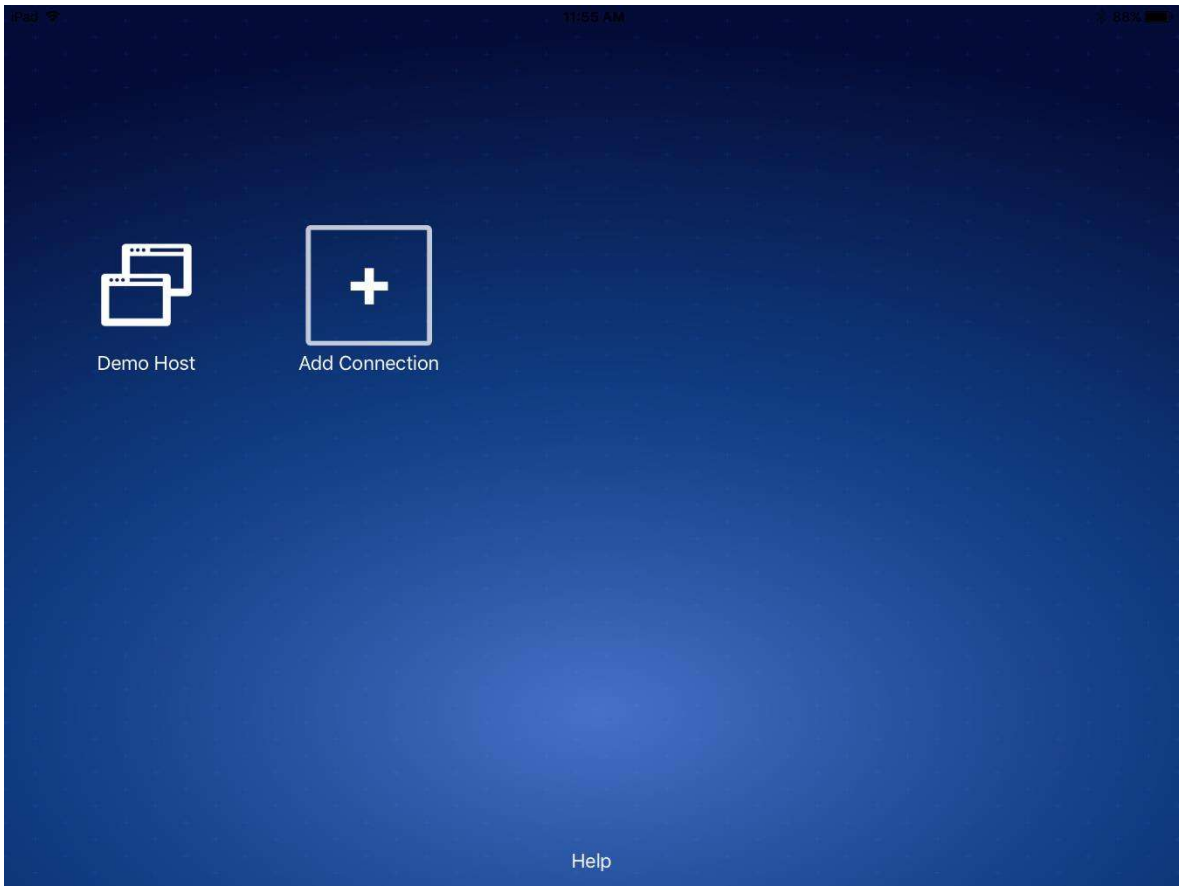

Figure 1: AppController

To add a connection to a host

1. Tap the **Add Connection** button.
2. Type the address of the host in the **Address** box. (For example, host.domain.com)
3. Type a name or description of the host in the **Description** box.
4. Type your user name in the **User Name** box.
5. Type your password in the **Password** box.
6. Type the **Port** number on which the host is configured to accept connections. 491 is the default port.
7. Tap **Save**.

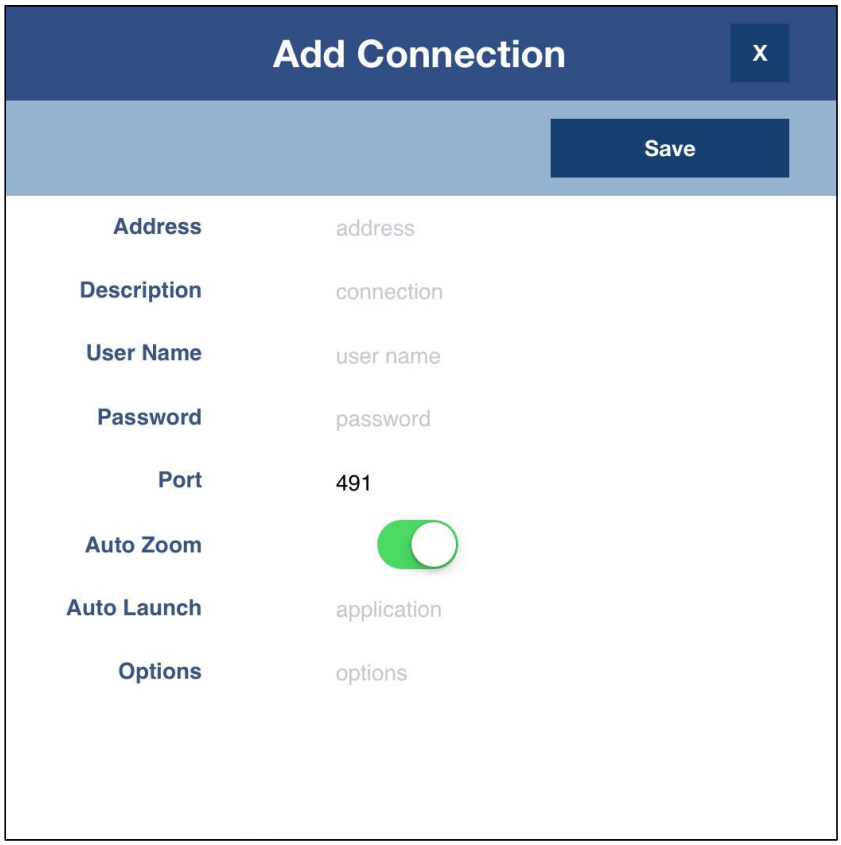

Figure 2: The ***Add Connection*** dialog for connecting a host

Note:	Cached user credentials are stored securely in the iOS Keychain — a secure, encrypted storage mechanism designed to protect private data.

To open a connection

1. Tap the desired connection in the main window to open the **Connection** dialog.
2. Tap the **Connect** button.

To edit a connection

1. Tap the desired **connection** in the main window to open the **Connection** dialog.
2. Tap the **Edit** button.
3. Edit the connection properties, as desired.
4. Tap **Save**.

To delete a connection

1. Tap the desired **connection** in the main window to open the **Connection** dialog.
2. Tap the **Edit** button.
3. Tap the **Delete** button.
4. Tap **Delete** in the confirmation dialog.

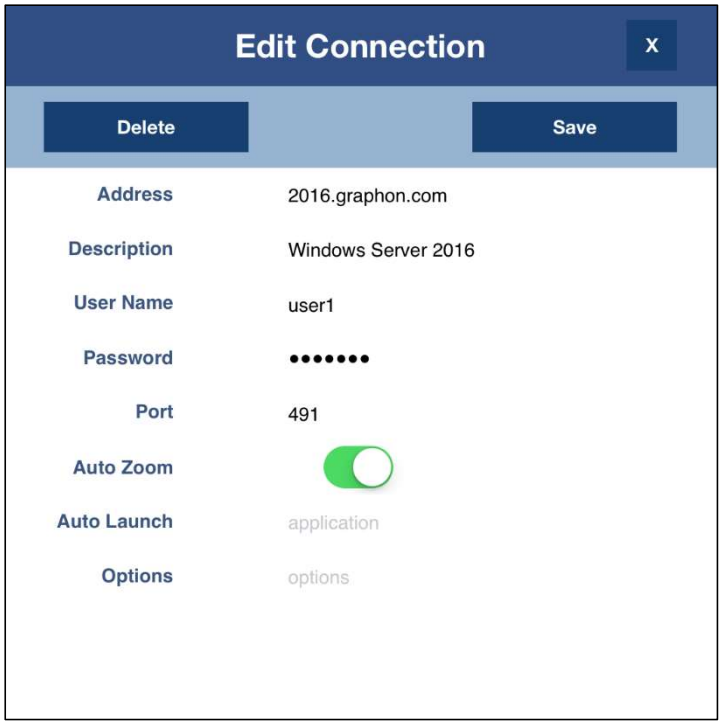

Figure 3: ***Edit Connection*** dialog

Application View Toolbar

After connecting to a host, the Application View toolbar is displayed at the bottom of the app.

Figure 4: *The* ***Application View*** *toolbar*

- Tap the **Power** icon on the left side of the toolbar to disconnect the client from the host.
- Tap the **Keyboard** icon to open/close the onscreen keyboard.
- Tap the **Auto Zoom** icon to enable/disable Auto Zoom. When Auto Zoom is enabled, AppController will automatically zoom and pan the view to the active application window.
- Tap the **Tasks** icon on the right side of the toolbar to view a list of tasks currently running on the host. Tap an item in the list to activate the associated application. Right swipe an item to close the associated application.

Interacting with Applications

After connecting to a host, the Program Window opens and displays the available applications. To open an application, double-tap the application's icon in the Program Window.

You can interact with applications using several multi-touch gestures. These gestures allow you to interact naturally with applications running on the host, even though the device lacks a mouse and keyboard. The following sections describe how to perform standard mouse and keyboard operations using AppController.

Understanding the Host Canvas

When connecting to a host using AppController, the image you see on the screen is a canvas just like any other canvas on the iOS device. You can pinch in and out to zoom in and out. *To pan the view, press three fingers on the screen and drag your fingers across the screen.* AppController uses a three-finger drag to pan the view (instead of the typical single-finger drag) so that single finger drag operations can be used to simulate left button drag operations in remote applications.

Clicking and Double-Clicking

In order to click or double-click in a remote application, simply tap or double-tap on the touchscreen. If the user interface component on the application is too small to hit accurately with your finger, you can temporarily zoom into it by pinching out.

Dragging

To perform a left button drag operation (for example, to move a window or select some text), simply press your finger on screen and drag it across the screen.

Right-Clicking

To perform a right-button click operation, tap both fingers on the screen at the same time with your left finger over the item you want to click.

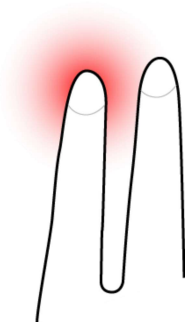

Figure 5: Right-clicking by tapping two fingers on the screen.

Right Button Dragging

To perform a right-button drag operation, press both fingers on the screen at the same time, with your left finger over the item you want to drag. Then, without lifting your fingers, drag the item under your left finger to its desired location.

Scrolling

To scroll a document or a view, drag two fingers vertically. Dragging upwards scrolls down; dragging downwards scrolls up. The further you go in each direction, the faster the view will scroll.

Using the Touch Keyboard

The device's onscreen keyboard will generally open automatically whenever an application can receive text input. The device's onscreen keyboard can also be opened manually by performing a three-finger tap anywhere on the screen. Do this by simultaneously placing three fingers anywhere on the screen and immediately releasing them. The keyboard can be closed the same way.

The keyboard can also be opened or closed by tapping the **Keyboard** icon on the toolbar. If the toolbar is hidden, simply press and hold a single finger anywhere on the screen. This will bring up the toolbar for several seconds.

Special Keys Support

AppController adds an extra row of keys to the top of the onscreen keyboard. This keyboard extension includes ctrl, shift, alt, tab, esc, home, end, insert, delete, up, down, left, right, function keys 1 through 12, etc. For example, to copy and paste text, highlight the text and press the ctrl + c button to copy it. Then press the ctrl + v button to paste the text.

Figure 6: *Windows Keyboard Extension*

To see all the special keys, scroll through the keys on the right side by sliding a finger to the left and right over the keys.

Figure 7: *Windows Keyboard Extension scrolled to the right*

Note:	Tapping the **shift** key on the special keyboard and then tapping a character on the main onscreen keyboard does not produce an upper case character. To type upper case characters, use the up-arrow keys on the main onscreen keyboard.

Custom Toolbars

Applications accessed from a mobile device may include custom toolbars.

In the example below, there are buttons for **Cut**, **Copy**, **Paste**, and **Close** at the bottom of the screen.

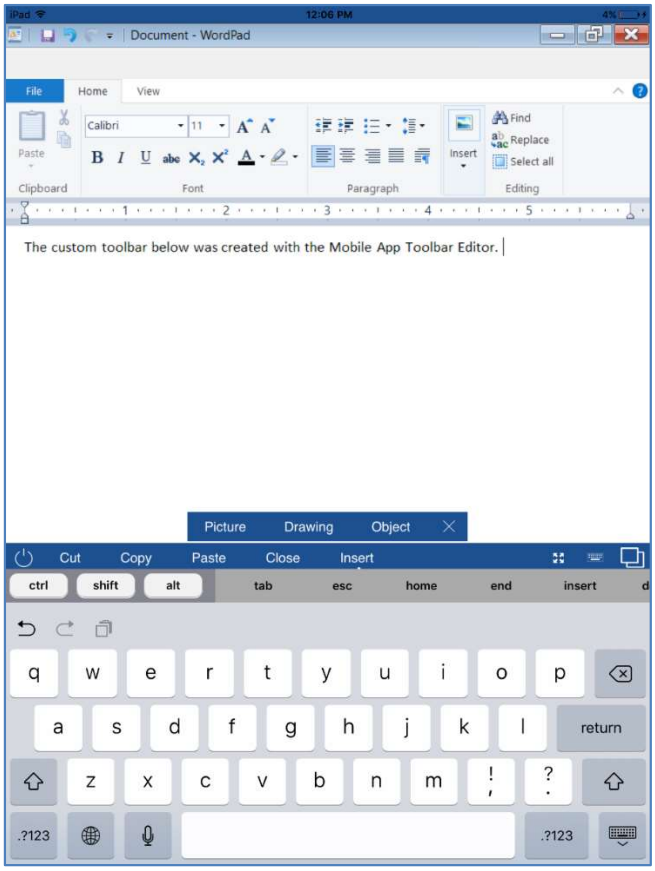

Figure 8: *Custom toolbar*

Tap the **Insert** button to open the submenu, displaying buttons that insert a **Picture**, **Drawing**, or **Object**.

Tap the **X** to close the submenu.

Printing

AppController supports printing to AirPrint compatible printers.

To print a document

1. While running the application via AppController, print a document as you normally would.
2. Select **Preview PDF**, then click the **Print** button. This will convert the document to a .pdf.
3. When the .pdf opens, tap the **Share** button on the iOS device's toolbar.
4. Tap the **Print** button.

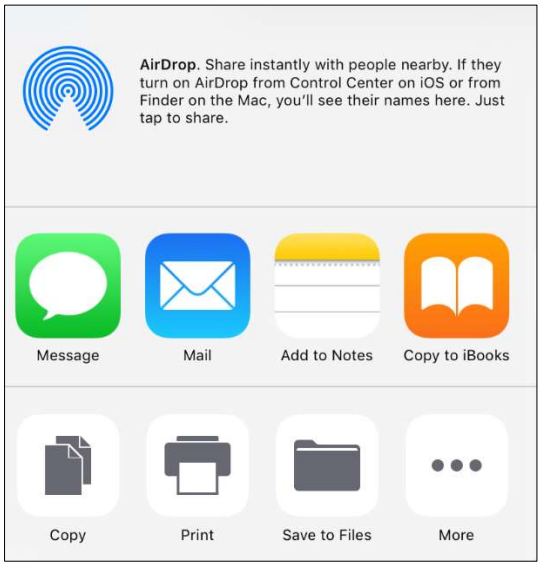

Figure 9: The iPad's Share menu (iOS 6.x)

Application Settings

The AppController option under Settings supports the following options:

- **Pin Toolbar:** When Pin Toolbar is ON, the Application View toolbar is always displayed when the app is connected to a host. When it is OFF, the toolbar is hidden. To display the toolbar when it is hidden, long-press a single finger anywhere on the touchscreen.

- **Auto Connect:** When Auto Connect is ON, the client automatically connects to the last host the user accessed.

- **Auto Launch:** If an application is specified in Auto Launch, the app connects to the host and automatically starts the application, bypassing the Program Window. If an application name is entered in the Auto Launch option of a connection, that application will be launched upon connection, overriding this global Auto Launch setting.

- **Auto Keyboard:** When Auto Keyboard is ON, the keyboard will show/hide automatically. When Auto Keyboard is OFF, the keyboard will not automatically show/hide. Auto Zooming/Panning will still occur. Auto Keyboard is ON by default.

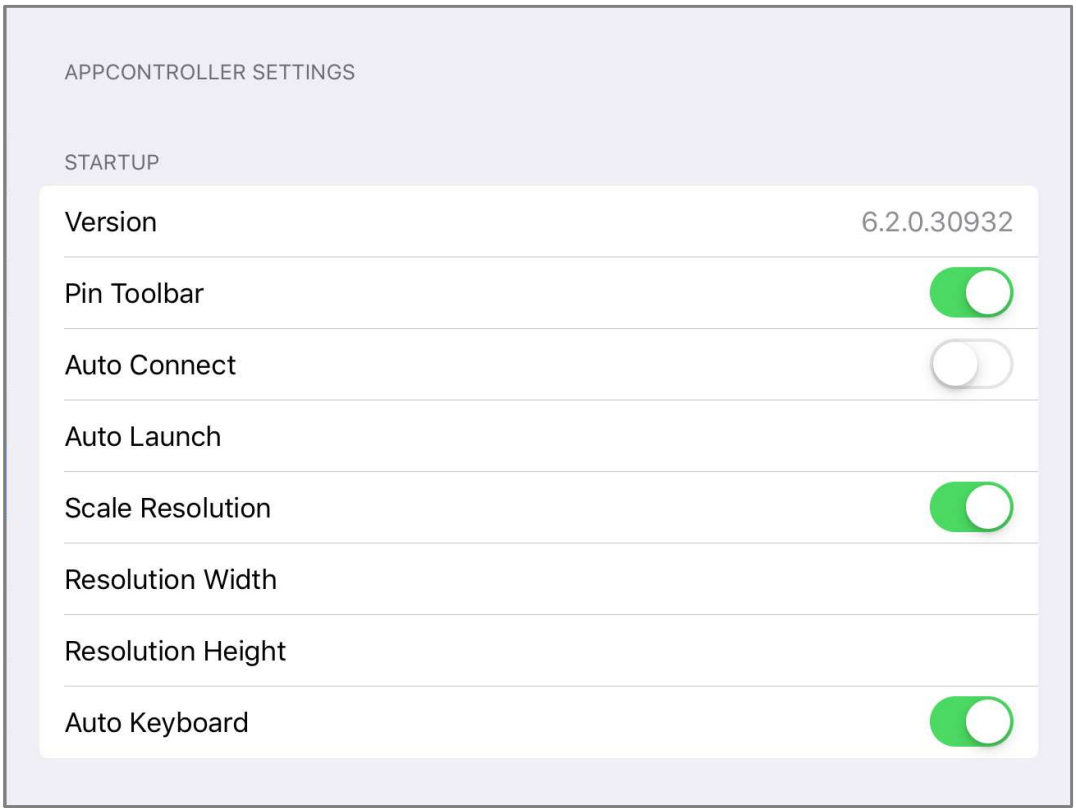

Figure 10: AppController Settings

To configure these options:

1. From the Home screen, tap **Settings** to enter the device's Settings applet.
2. In the left-hand window, under Apps, tap **AppController**.
3. Configure the **Pin Toolbar**, **Auto Connect**, and **Auto Keyboard**, options using the controls in the right-hand window. To automatically launch an application when the client connects to a host, type the name of the application in the **Auto Launch** field as it appears in the Admin Console.

Resolution Scaling

Resolution refers to the clarity of the text and images displayed on your screen. At higher resolutions, such as 1600 x 1200 pixels, items appear sharper. They also appear smaller so more items can fit on the screen. At lower resolutions, such as 800 x 600 pixels, fewer items fit on the screen, but they appear larger. On high-density iOS devices, AppController sessions are run at a resolution of half the width by half the height of the device. Resolution scaling improves client usability and reduces bandwidth on both the client and the host. It is enabled by default for all connections.

You can change the resolution width and height to best fit your device in the **Settings** dialog. You can adjust the resolution to make text and objects appear larger on your screen, or adjust it to make text and objects appear smaller so you have more space on your screen.

To change the resolution

1. Click the **Settings** icon in the lower right corner of the Connection view.
2. Type the desired width resolution in the **Resolution Width** box.
3. Type the desired height resolution in the **Resolution Height** box.
4. Click **Apply**.

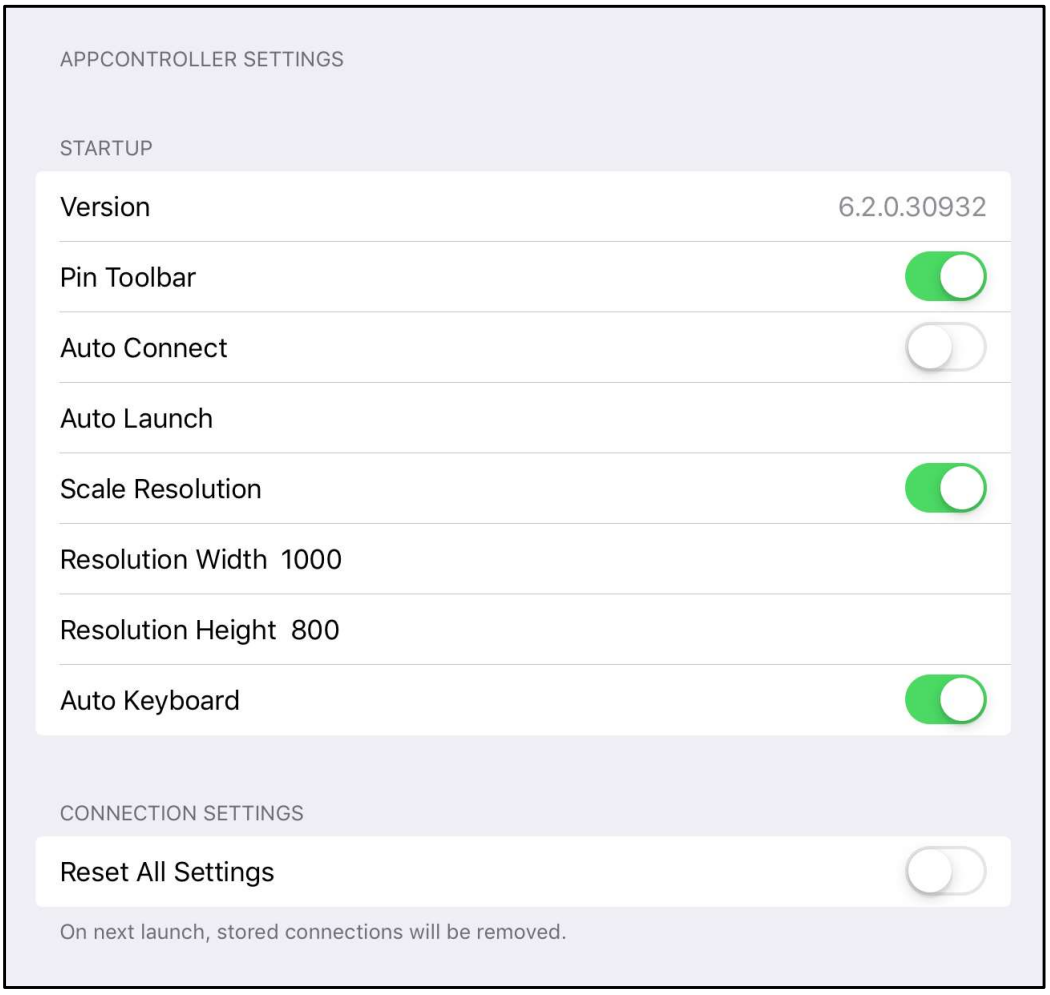

Figure 11: AppController Settings

If only a width or a height is specified, AppController will automatically calculate the missing value, based on the device's aspect ratio.

Resolution scaling can be disabled through the Settings dialog. When resolution scaling is disabled, sessions will run at the full resolution of the client device.

To disable resolution scaling

1. Click the **Settings** icon in the lower right corner of the Connection view.
2. In the Settings dialog, click the check box next to **Scale Resolution** to disable it.
3. Click **Apply**.

When adding or editing a connection, you can specify a resolution that will only apply to that connection. This will override the resolution specified in the **Settings** dialog, described above.

In the **Add Connection** or **Edit Connection** dialogs, type **-geometry** followed by the desired ***width*** **x** ***height*** (in pixels) in the **Options** box. For example, -geometry 1000x800 or -geometry 1136 x 640

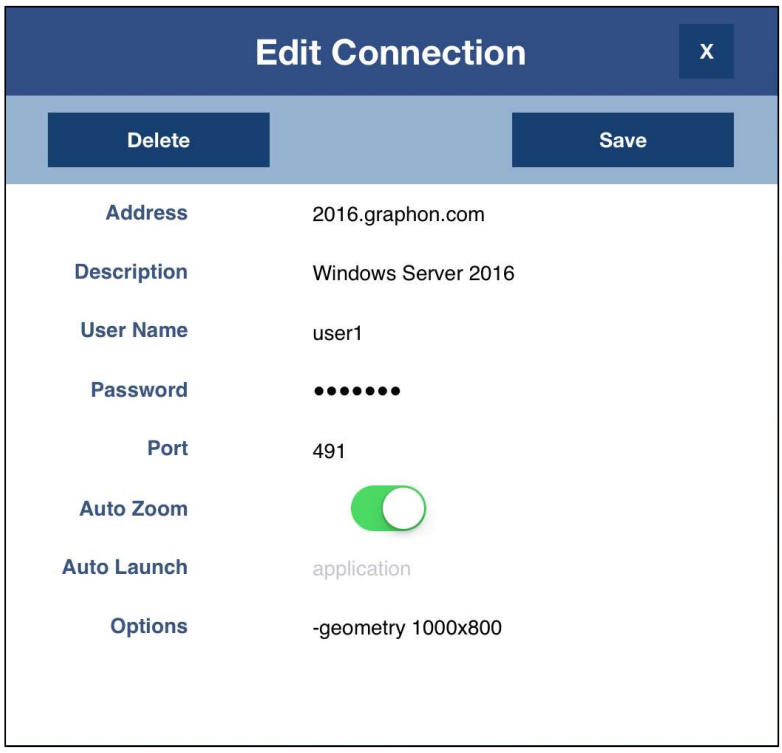

Figure 12: *Edit Connection* dialog

Logging

AppController synchronizes its log files with the host. AppController log files are stored in the host's installation directory under Log\Clients.

Starting AppController from other Applications
AppController can be started from a web browser or from a custom application via a URL of the form:

rxp://?h=192.168.100.1&u=username&p=password&hp=491&a=application&returnURL=otherprotocol://

The following parameters are supported:

Parameter	Description
h=	The name of the host.
p=	The user's password.
a=	The application to run.
hp=	The port on which the host accepts connections. (491 by default.)
u=	The user name.
r=	Application arguments.
returnURL=	URL to execute when session closes.

For passwords with special characters, URL coding must be used. Replace the special characters with the following codes:

Special Character	Code
"	%22
%	%25
=	%3D
/	%2F
(	%28
#	%23
+	%2B
&	%26

For example, for the password **Sample=&+** the password **Sample%3D%26%2B** would be specified as follows:

rxp://?h=192.168.100.1&u=JimC&p= **Sample%3D%26%2B** &hp=491&a=Notepad&returnURL=otherprotocol://

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