

# INSTALLING THE DESKTOP CLIENT



Version 5

## Building an RFgen Data Collection System

Expand the power of RFgen across the infrastructure of your network with the Windows Desktop Client. Encompass the organization and empower your workforce with the enhanced capabilities of RFgen.

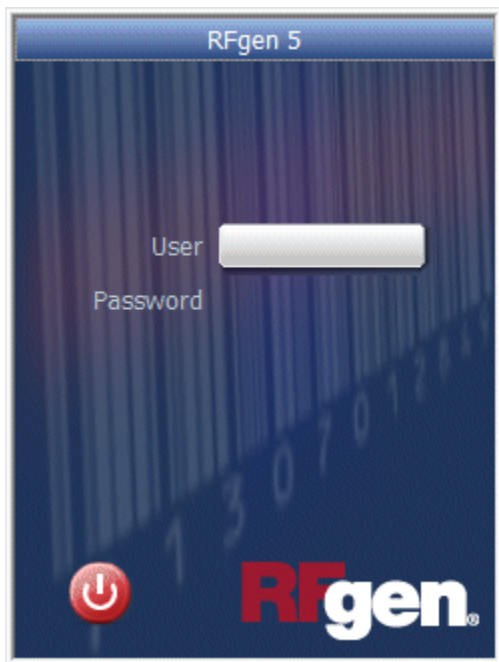
# INSTALLING THE DESKTOP CLIENT

## BUILDING AN RFGEN DATA COLLECTION SYSTEM

### INTRODUCTION

---

The RFgen Windows Desktop Client is a graphical telnet program that has been developed for use with RFgen Software. The desktop client is a graphical emulator that has been compiled to operate on x86 or x64 based systems. The Desktop Client extends the capabilities of the Mobile Enterprise Application Platform to individual PCs and enables end users to run and execute applications from anywhere within your organization.



The enclosed CD-ROM contains the latest version of the Desktop Client for use with RFgen v5. Upon insertion into an optical drive, the CD is set to automatically start and launch a product console menu. If this does not occur, right-click the correct optical drive icon that contains the CD, click "Open", and double-click the file named "autorun.exe".

## INSTALLATION

---

The Desktop Client should be installed on all machines that are expected to run RFgen applications. The client is a relatively light installation that provides a console or interface to the various applications and transactions that are hosted on the RFgen server. The server is where the actual processing of data takes place. To begin the installation of the Desktop Client, follow the directions below.

- Select the “Install Windows Desktop Client” from the CD-ROM or run the RFWC500.exe file.

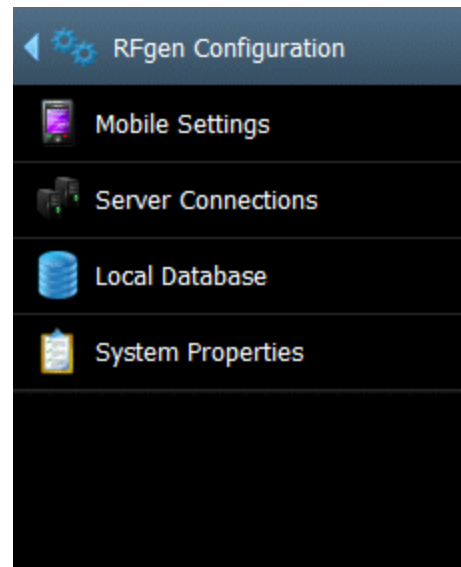
## CONFIGURATION

---

To begin the configuration of the Desktop Client, follow the directions below.

1. Launch the “Windows Desktop Client Configuration” option from the Start menu.
2. “Mobile Settings”: This set of options controls some fundamental settings for the Desktop Client.

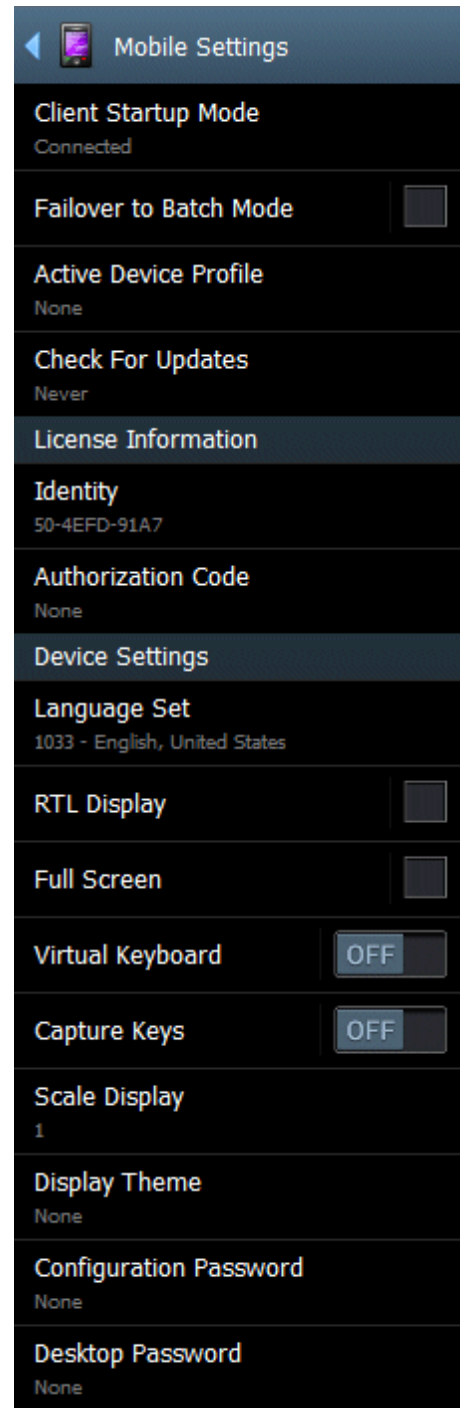
- a. Client Startup Mode – For Mobile Installation Types, this option determines if the Mobile client will start in a connected state or a disconnected state.
- b. Failover to Batch Mode – For Mobile Installation Types, this determines if the mobile client will ask the user if they wish to move from a connected state to a mobile mode when the thin client detects that the device is no longer in communication with the server.
- c. Active Device Profile – This property is the name of the profile to be used when syncing a mobile client.



- d. Check for Updates – This property has three options, Never, On Connect and Once Daily. On Connect means that every time the client (thin or mobile) makes a connection to the server it will synchronize. For thin client just the theme and some images will be updated. For mobile mode all the solution objects for the specified profile will be exchanged.
- e. Identity – The Identity is the parameter generated by the device that will be used to permanently authorize it for use in the mobile mode.
- f. Authorization Code – This field will automatically fill in when the authorization process is started and completes successfully. This process can be started by bringing up the menu strip, clicking the configuration icon, selecting the Options menu option and selecting the Authorizations menu item.

Manually entering a code here and saving the configuration will also work if access to the server or the server's Internet access is not available. To obtain a code call support with the Identity value and they will provide the code.

- g. Language Set – The default is English. Any language may be chosen from this menu.
- h. RTL Display – This option is for displaying all elements on the form in a right-to-left format. Languages such as Arabic and Hebrew are examples.



- i. Full Screen – This option determines if the display on the mobile device is in a window (smaller) or if the application is maximized for the screen (larger).
  - j. Virtual Keyboard – This feature will automatically open the SIP (Soft Input) keyboard for other configuration fields that require text input like the authorization code or server DNS name.
  - k. Capture Keys – This option if enabled will transmit all keystrokes to the server and not the operating system. If the operating system has taken the F3 key for example to control volume then it would not get sent to the client unless this option is enabled. Other devices use a button to scan a barcode. If this were enabled that button to scan may not function so this feature would need to be disabled. The use of the feature depends on the requirements of the device and application.
  - l. Scale Display – This option is designed to fix a problem on some devices where they do not report their DPI (dots per inch) correctly. If the high resolution screen forces the application screen into a very small space, change this value from 1 to 2 to double the rendering of the application screen.
  - m. Display Theme – This is the theme resource to be used on the device. It contains all the look-and-feel display options.
  - n. Configuration Password – Setting the configuration password will then prompt the user for that password anytime the configuration options are accessed, either from the CFG executable or the client itself.
  - o. Desktop Password – This option is designed to prevent unauthorized users of the mobile device from leaving the client and returning to the Device desktop.
3. “Server Connections”: This is where connectivity parameters are defined. The client may be configured to point to a remote server or to the local machine (“localhost”).

- a. **Server Name** – A telnet client can connect to any server. Adding to this list prompts the user to choose which server they wish to connect to before starting the login process. The name can either be the DNS name or the IP address.
- b. **Mobile Services Port** – This is the port number the server is using for graphical telnet traffic.
- c. **Remote Services Port** – This is the port number the server is using for passing data between the client and server.
- d. **GPRS Configuration** – If the device is going to take advantage of the cellular network for updates back to the server, these settings can be used to automatically establish the connection when commands are used to sync or send data.
- e. **Connect Using GPRS** – Toggle this option if you want the client to establish a cellular connection when server updates are attempted. The cellular connection setup must already be created on the device.
- f. **Name** – The name of the connection is the same name used to create the connection in the mobile device's operating system.
- g. **User and Password** – A User and Password may not be necessary. If the client must start the cellular session then reference it by Name.
- h. **VPN Configuration** – If the device is going to take advantage of a VPN for updates back to the server, these settings can be used to

Server Name  
None

Mobile Services Port  
21098

Remote Services Port  
21097

GPRS Configuration

Connect Using GPRS ☐

Name  
None

User  
None

Password  
None

VPN Configuration

Connect using VPN ☐

Name  
None

User  
None

Password  
None

automatically establish the connection when commands are used to sync or send data.

- i. Connect Using VPN – Toggle this option if you want the client to establish a VPN connection when server updates are attempted. The VPN connection setup must already be created on the device.
  - j. Name – The name of the VPN connection is the same name used to create the VPN in the mobile device's operating system.
  - k. User and Password – A User and Password may not be necessary. If the client must start the VPN session, then reference it by Name.
4. "Local Database" is only used when running in a Batch Client mode. This option lets the user specify a local database on the client system for storing collected data and queued transactions.
5. "System Properties" – Entering a property name and property value is like creating a global constant with a read-only value. For example, if this installation was designed for multiple warehouses but this particular installation was for a warehouse called 'Main Street' then entering the property name of 'Warehouse' and a value of 'Main' would allow the programmer to identify which warehouse was being used. The command used is `System.EnvironmentProperty`.

Click the "Save Changes" command button for each set of options that is changed.

**Note:** The default port numbers that RFgen uses for this application are 21097 and 21098.

## TELNET & PREVIOUS OPERATING SYSTEMS

---

The Desktop Client may be used with either the RFgen Mobile Enterprise Application Server or the Mobile Development Studio in lieu of the character-based telnet program that can be invoked within Microsoft Windows.