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# bgc forex

## Technical Installation Instructions

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Created by bgc Support

Covers bgc forex Version 9.8 and subsequent versions

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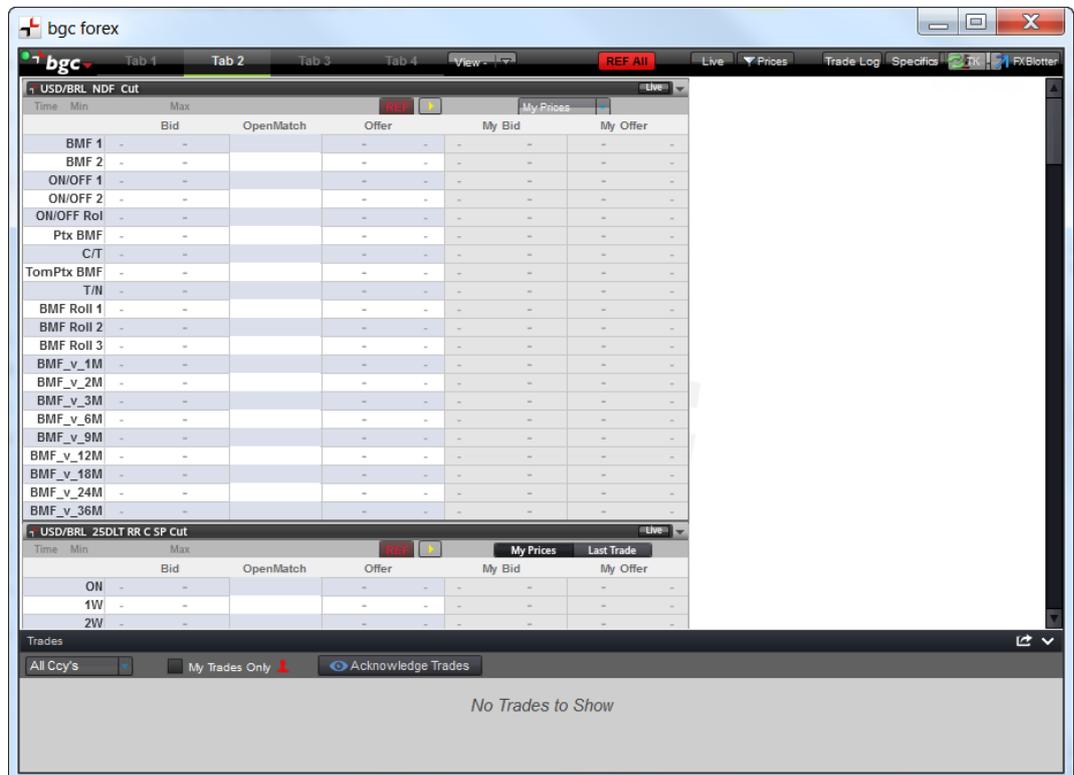
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## 1. INTRODUCTION

bgc forex is a central limit order book (CLOB) for FX Derivatives.

The system allows interbank traders to enter, amend and remove their own prices, and offers other information relating to BGC's live marketplace.



*The bgc forex trader screen*

This document describes the various aspects on connecting to and installing the bgc forex application and is intended for anyone involved in the installation, configuration and maintenance of the bgc forex client environment.

If you require further assistance please call one of the following telephone support numbers, depending on your geographic region:

**New York: + 1 212 610 2300**

**London: +44 (0) 207 894 8600**

**Tokyo: +81 3 4589 9138**

**Singapore: +65 6512 3315**

**Hong Kong: +852 3477 7827**

**Sydney: +18 0007 4894**

## 1.1. The bgc forex Application

bgc forex is implemented as a client-server application using Java enterprise technologies.

The bgc forex client is an installed thin client application, which does use local PC storage for logging of application activity.

By default bgc forex writes all local files to the Windows user profile directory, is typically `C:\Program Files\BGC\bgcforex\bgcforex.voptions`

If for some reason this is not desirable, you can change the home directory by editing the `bgcforex.voptions` file located in the installation directory (typically `C:\Program Files\BGC\bgcforex\bgcforex.voptions`), and adding the following line:

```
-Dmarketmatch.home=c:\My Alternative Documents and Settings
```

You will also need to alter the line:

```
-include-options C:\Users\username\BGC\bgcforex\prod\dynamic.voptions
```

The application is signed by Code Signing certificate to guarantee the authenticity of the source (BGC).

## 1.2. Application access control

Access to the application is controlled by usernames and passwords. These are provided by BGC Trading System support directly to the end-users.

Passwords cannot be viewed by BGC staff once set, although they can be reset in real time by bgc support staff.

Users can only maintain one active session per userid at a time and a second login using the same userid and password will cause an automatic log-out of the first user session. All users are automatically logged out at the end of each trading day for security reasons.

All user activity on the system is logged in an audit trail database.

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**1.3. Client-Server Connectivity**

Users can connect to bgc forex via

- BGC dedicated circuit - Please speak to BGC or your internal network specialist for connection information
- The public Internet

Application Name	Internet URL	Internet IP	Ports	BGC client network URL for clients	Coming over BGC Client Network IP
Trading System	<a href="https://fx-trading.bgctrader.com">https://fx-trading.bgctrader.com</a>	75.98.77.123	443	<a href="https://fx-trading-secure.bgctrader.com">https://fx-trading-secure.bgctrader.com</a>	148.106.165.123
Front End Application	<a href="https://forex.bgctrader.com">https://forex.bgctrader.com</a>	75.98.77.128	443, 80 (redirects to https)	<a href="https://forex-secure.bgctrader.com">https://forex-secure.bgctrader.com</a>	148.106.165.128
Messaging server	msg-forex.bgctrader.com	75.98.77.129	443	msg-forex-secure.bgctrader.com	148.106.165.129
Trading Specifics	<a href="https://fx-specifics.bgctrader.com">https://fx-specifics.bgctrader.com</a>	75.98.77.124	443	<a href="https://fx-specifics-secure.bgctrader.com">https://fx-specifics-secure.bgctrader.com</a>	148.106.165.124
Blotter	<a href="https://fx-blotter.bgctrader.com">https://fx-blotter.bgctrader.com</a>	75.98.77.126	443	<a href="https://fx-blotter-secure.bgctrader.com">https://fx-blotter-secure.bgctrader.com</a>	148.106.165.126

bgc forex is hosted at datacenters. Servers are duplicated in two distinct locations, providing enterprise level security and reliability. The primary data center for the bgc forex application is located in North America.

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## 2. APPLICATION DEPLOYMENT

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### 2.1. Network Configuration

#### 2.1.1. Network Connectivity Requirements

- Firewall / Proxy:  
As discussed in section 1.1, bgc forex supports SSL connectivity over port 443.
- Bandwidth:  
In tests, several users require less than 64Kb of symmetric bandwidth.
- Security:  
BGC offers SSL encryption and all Internet connections must use it. A dedicated line or an extranet connection to the bgc forex server provides the highest level of security of network traffic.

#### 2.1.2. Supported Proxies

- bgc forex supports proxies through browser integration or configuration to a specific proxy through the “Network Connection Settings” dialog.

For performance and stability reasons however it is recommended to bypass proxies if permissible under network management guidelines.

## **2.2. Application Configuration**

### *2.2.1. Hardware Requirements*

In order to run bgc forex, use the recommended workstation configuration:

- Core™2 Duo or higher family of Intel processors (i.e. Core™ i3,i5,i7)
- 2.5 GHz or faster processor
- 4 GB of system memory
- 100 MB of free disk space with writable permission per bgc forex instance located under the user's local home directory where the "BGC" folder is created. This space is needed to save data, caches, and log files

### *2.2.2. Software Requirements*

- O/S: MS Windows XP or 7 with latest service pack recommended
- Web Browser: Internet Explorer 7.0 or higher

### *2.2.3. bgc forex Network Connection Settings*

bgc forex configurable application connection settings are used to control connection logic. These settings can be viewed and modified if necessary prior to logging into the system. Please follow the steps described below to view and change the settings.

Depending on your connection method, either using:

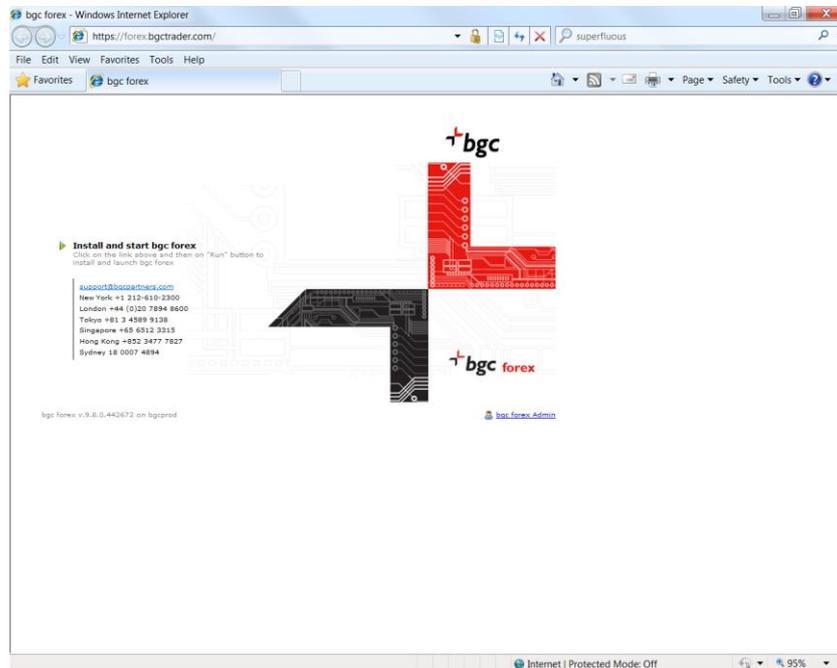
- BGC dedicated circuit – Please speak to BGC or your internal network specialist for connection information.

Public Internet <https://forex.bgctrader.com/>

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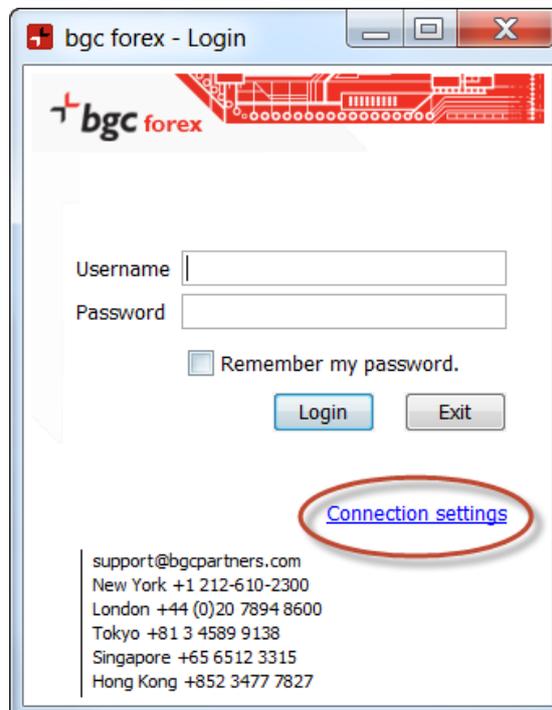
### 2.2.4. Login Page

The following Login Page should appear. Click "Install and start bgc forex" button if the launch screen does not automatically appear:



### 2.2.5. Launch Button

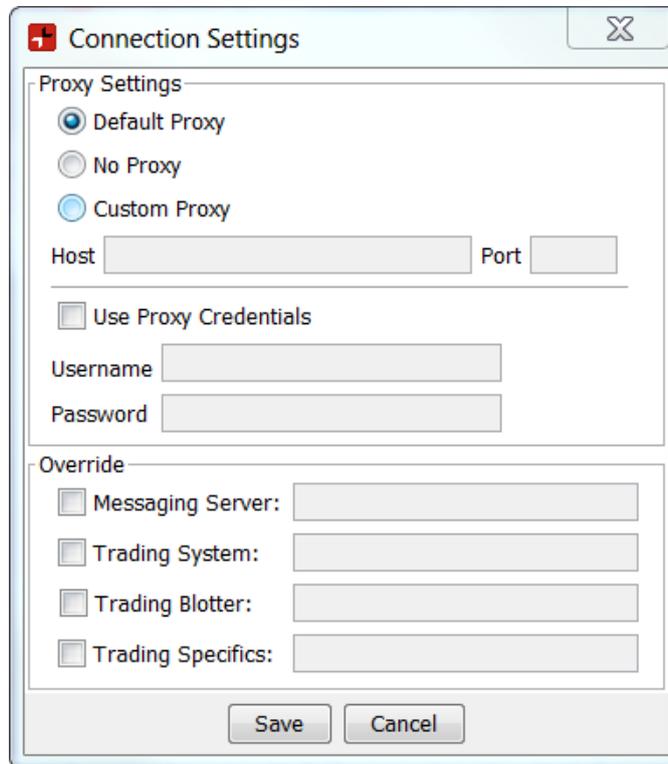
Click on the Launch button, for the login page to appear.



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### 2.2.6. Connection Settings

Select 'Connection Settings'. Network Connection Settings dialog will pop up as shown below:



### 2.2.7. Proxy Settings and Messaging Servers Settings

Proxy Settings options may be used to override HTTP proxy settings.

- **'Default proxy'** (default option) means that currently selected proxy settings will be used.
- **'No Proxy'** indicates that no proxy should be used, regardless of proxy settings.
- **'Custom Proxy Settings'** option could be used to select proxy server and port.

1. **'Messaging Server'** specifies the hostname and protocol the client will use to connect to the real-time server.

The default messaging server will be dynamically determined from the URL used to access bgc forex. In most cases there is no need to change it. However, the host *may* be overridden with a local hostname or IP address if required by your local network topology. Checking this "Override" option allows any hostname or IP address to be entered. The client will use this setting to attempt to connect to the Messaging Server. This entry must resolve to a valid BGC Messaging Server in order for the application to work. Please contact your network administrator for the proper settings.

Press 'OK' button to activate new settings and return back to Login dialog. Please note that new settings will be saved as local preferences and will be used from now on when you log in.

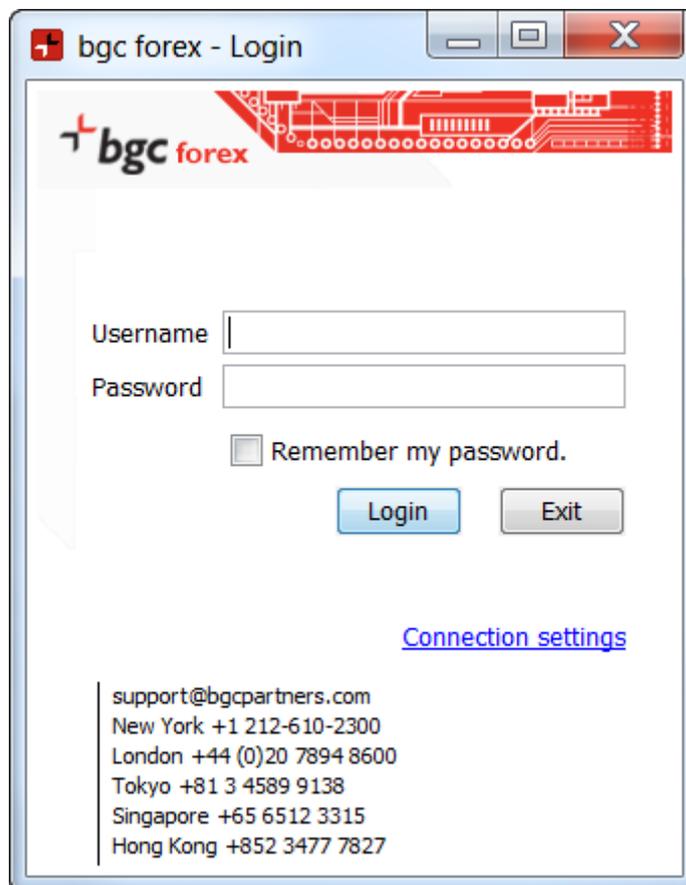
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2. **'Trading System'** overrides the host/port that the client will use for connecting to connect to bgc forex trading service
3. **'Trading Blotter'** overrides the host/port that the client will use for connecting to blotter service
4. **'Trading Specifics'** overrides the host/port that the client will use for connecting to specifics service

These are usually overridden in case the client uses URLs by IP or DNS override

### 2.2.8. Login Screen

Enter your username and password here and click the "Login" box, for bgc forex to start. Toggle the "Remember my password" check box if you would like that bgc forex to use your entered user name and password automatically.



The screenshot shows a window titled "bgc forex - Login". The window contains the bgc forex logo at the top left, followed by a decorative red header with a circuit board pattern. Below the header are two input fields: "Username" and "Password". A checkbox labeled "Remember my password." is positioned below the password field. At the bottom of the form area are two buttons: "Login" and "Exit". Below the buttons is a blue hyperlink labeled "Connection settings". At the bottom of the window, there is a list of contact information:

- support@bgcpartners.com
- New York +1 212-610-2300
- London +44 (0)20 7894 8600
- Tokyo +81 3 4589 9138
- Singapore +65 6512 3315
- Hong Kong +852 3477 7827