

Instructions for AbleTrend Working and IB TWS

(Updated 12/01/18)

Here are the procedures to install and configure the interface:

1. You must have the IB Trader Workstation (TWS) already installed on your computer. In addition to have the IB TWS, to use the data, you must click on the link to run and install the required API that is compatible with the AbleTrend software.

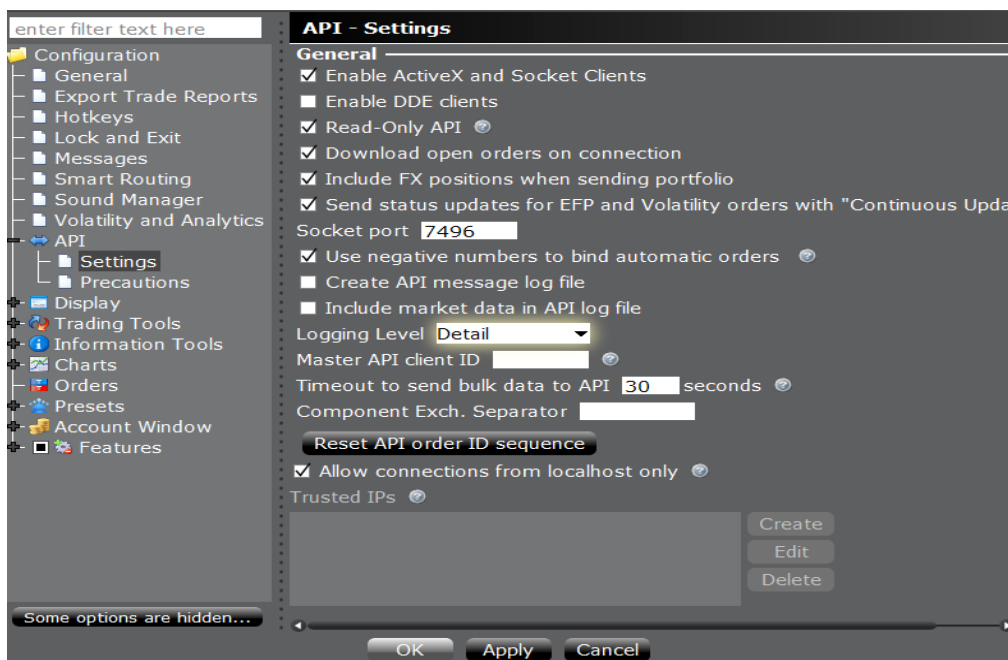
https://www.wintick.com/files/TWS_API_Install_971.06.msi

It will download a file. Open the file after it has been downloaded. This is required.

The current Trader Workstation that should work with AbleTrend and the corresponding API 971.06. Make sure that you run/install the API to your system. (Because of software changes, it is important that you DO NOT allow auto update of the IB API, other newer versions of the API will not work!)

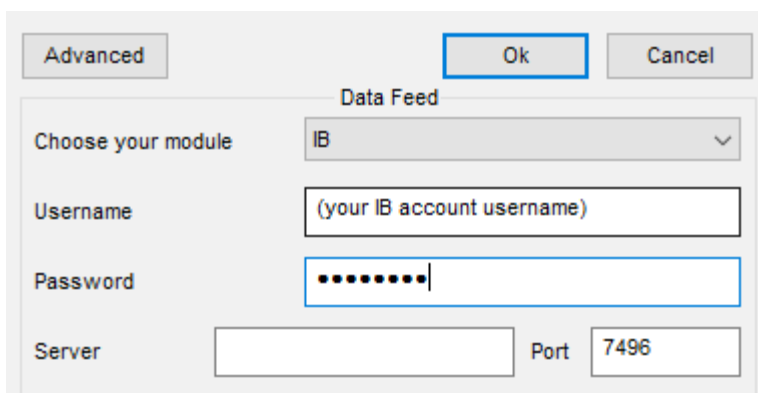
2. Once the API is installed, you must open and log in the Interactive Broker Trader Workstation first. AbleTrend will not be able to receive data unless the TWS is opened first. The TWS must be left open in order to get data.

3. After you open TWS, find the configuration menu from TWS. Because each IB version is different, it may be found on the File menu or Edit menu called "Global Configuration", select "API", and "Settings". On the settings, make sure you check mark the first box, Enable Active X and Socket. Remember the Socket Port number for step 5.



4. The IB TWS can open a maximum of five pages. The API will open a page called API. Therefore, your own pages cannot be more than four pages.

5. After IB TWS is on and configured, start the AbleTrend software. Fill in the login information seen below. Click Advanced if you do not see this portion of the login screen. Choose Your Module should read "IB". Fill in your IB username and password on the boxes. Under the Port box type in the Socket Port number from Step 3. The software will wait for a connection to the IB TWS. In some cases, you may see a TWS window with 'Accept incoming connection attempt?' message. Click "Yes" to make the connection. Unlike other modules, you may not see green boxes on the bottom of your program.



Advanced Ok Cancel

Data Feed

Choose your module IB

Username (your IB account username)

Password

Server Port 7496

8. Symbols: If you are having trouble finding out the symbol and information, you may find it on the IB TWS:

- A. Go to IB platform quote page, highlight (click) the symbol
- B. Click "Chart" icon on top
- C. The Chart Parameters windows will pop-up from Single Contract...
- D. You may see Contract Description, it provides symbol, exchange, year, month

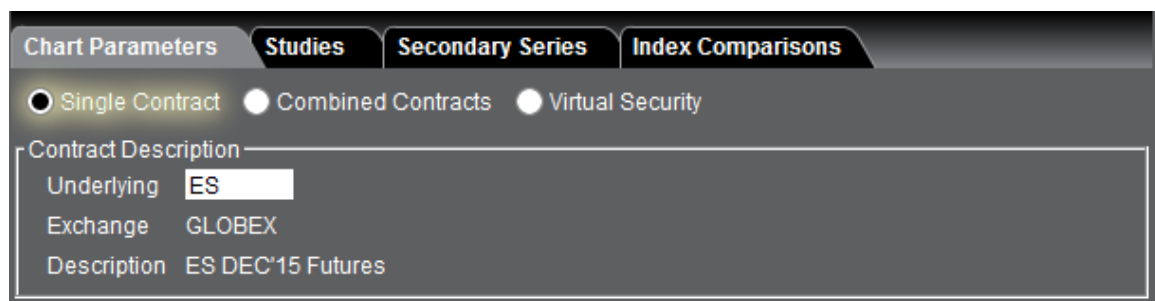


Chart Parameters Studies Secondary Series Index Comparisons

Single Contract Combined Contracts Virtual Security

Contract Description

Underlying ES

Exchange GLOBEX

Description ES DEC'15 Futures

For **Stocks**, "Default" will be used.

The stock symbols are using the standard format, such as IBM, MSFT, and GE etc.

For **Futures**, the symbols are using the following format:

SYMBOL yyyyymm EXCHANGE

SYMBOL is the symbol root; yyyy is the contract year, mm is the contract month, EXCHANGE is the exchange, such as Globex, CME.

For example, ES H9 will use "ES 201903 GLOBEX",
EUR Z8 will use "EUR 201812 GLOBEX", etc.

For **Foreign Futures Exchanges**, format:

Since dealing with foreign exchanges, there are currencies involved. The symbols format must add currency at the end.

Format is like, "MHI 201406 HKFE ~HKD", or "SPI 201406 SNFE ~AUD"

When using foreign futures, enter the currency at the end, starting with '~'. To learn the symbol's currency information, right click IB TWS symbol, then Contract Information, Description.

For **Foreign Stocks Exchanges**, format:

^Symbol 0 Exchange ~Currency

Example for BAY at IBIS exchange Symbol: ^BAY 0 IBIS ~EUR

For **Options** symbol, format: Symbol Expire PUT/CALL Strike

Example: IBM 201407 PUT 185.0

For **Forex** symbol, format:

EUR/USD, USD/JPY, GBP/JPY...

For **Index** charts, format is starting with "\$":

Here are a few U.S. indices:

\$SPX CBOE

\$NDX NASDAQ

For **Foreign Indices**, Format:

\$Symbol 0 Exchange ~Currency

Example:

\$DAX 0 DTB ~EUR

IB TWS is NOT a professional data provider. Please setup intra-day charts (1-min, 5-min etc) days back to 2 or 3 days. For 30-min charts or longer, you may go back two weeks. AbleSys has no control over the data provided by IB.

Data module of AbleTrend 7.0 will only work with Interactive Brokers “Trader Work Station” (TWS). Current IB data module and AOE only supports individual IB accounts, not any other account types (such as funds manager, master accounts, etc.).

You must have an active IB account. Functions of the demo/simulated accounts are limited. IB Delayed data does not work with AbleTrend charting. You must be subscribed to the exchanges on IB to get charts on AbleTrend. You can find out if you're subscribed by going to the IB TWS and checking your Subscription Manager.

**** Known Technical Issues/Troubleshooting**

- A) If you wish to use Indices, you will need to type in the word “trades” on the Server box of the login screen.
- B) If you cannot see the IB data, your computer may be missing a Microsoft component. Install Microsoft’s C++ 2005 redistribution package, <http://www.microsoft.com/en-us/download/confirmation.aspx?id=26347>
- C) You cannot use IB’s data and AOE modules at the same time. This is a limitation of using the IB API. You may use either IB as data or IB as an AOE while using another data source like eSignal.
- D) AbleSys has no control over the quality of data coming from IB. We are aware that the quality of the Daily/Weekly charts or Forex currency symbols do not look accurate. If those are charts you are looking for, I would suggest trying another data provider.

IMPORTANT NOTE for using Auto Order Execution (AOE) module: The AOE is a part of Chart Trading Module (CTM) for trading automation. Even though the AOE function has been fully tested here at AbleSys Corporation (ASC), however, each computer’s operation system, environment, hardware and programs running might not be exactly the same. The AOE malfunction experienced by users will vary depending on many factors, including but not limited to: Internet connection failure, power failure, hard drive malfunction, computer operating system virus, and trading partner platform disruption. Such events can significantly impact trading results and should be taken into consideration. Having chosen to use the CTM and AOE module, UNDER NO CIRCUMSTANCES SHALL ASC BE LIABLE FOR ANY PUNITIVE, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL LOSS OR DAMAGES, INCLUDING LOSS OF BUSINESS, PROFITS, OR GOODWILL. ASC SHALL NOT BE LIABLE TO YOU BY REASON OF DELAYS OR INTERRUPTIONS OF SERVICE OR TRANSMISSIONS, OR FAILURES OF PERFORMANCE OF OUR SYSTEM, REGARDLESS OF CAUSE, INCLUDING, BUT NOT LIMITED TO, THOSE CAUSED BY HARDWARE OR SOFTWARE MALFUNCTION; GOVERNMENTAL, EXCHANGE OR OTHER REGULATORY ACTION; ACTS OF GOD; WAR, TERRORISM, OR OUR INTENTIONAL ACT. The Licensed Software is provided "AS IS" and ASC does not make any warranties or guarantees with respect to the Licensed Software, including without limitation, warranties of merchantability or fitness for a particular purpose. ASC shall not be liable to Customer for any loss, cost, damage or other injury, whether in contract or tort arising out of or caused in whole or in part by Customer's use of or reliance on the Licensed Software or its content. In no event will ASC be liable to Customer for any punitive, consequential, special or similar damages even if advised of the possibility of such damage. If some jurisdictions do not allow the exclusion or limitation of liability for certain damages, in such jurisdictions, the liability of ASC shall be limited in accordance with AbleTrend Customer Agreement to the extent permitted by law. We strongly suggest that you must use a Demo account to run tests before using with your real trading accounts.