

TROUBLESHOOTING TIPS – LOCALLY FILTERING AND/OR REMOVING STUCK QUOTES

Periodically, certain market centers can experience challenges during the day in keeping their quote dissemination systems operating without latencies. When such latencies arise, they can potentially impact trading locations and remote traders in different ways, depending upon communication circuits and end user computing equipment.

Nonetheless, when such perceived or actual latencies arise, they can result in stuck quotes, or other such symptoms. In some cases, Assent's HQ staff can universally filter quotes from such market centers however in some cases, it may not be appropriate for us to do that.

So, we'd like to offer step by step guidance on how individual traders and/or trading locations can quickly remove stuck quotes and/or filter out market centers as needed.

First and foremost, whenever an individual trader is noticing stuck quotes, or irregular performance, it's always our objective to confirm that they're running a suitably current version of Anvil. The most recent versions are always available on the Anvil website.

Anvil Download Page: http://anvil.assent.com/?page_id=08
Installation Instructions: <http://anvil.assent.com/index.php/anvil-installation-instructions/>

Current versions provide the ability to filter quotes via hotkey – which makes it as quick as possible to remove slow and stuck markets. Below is an example using EDGA & EDGX – however this applies to ALL ECNS – just replace the ECN you desire to filter into the toggle command.

To do this, you must bind the new keys.

- 1) To open your Command Map, Right Click on your Market Maker -> Settings
- 2) Go to the Command Map tab
- 3) On the bottom right, type "TOGGLE EDG"
- 4) The top two matches, "ToggleEDGIntegration" and "ToggleEDGXIntegration" will be the commands you need to map to add this instant-filter capability
- 5) Once you've bound these keys, pressing them will turn the EDGX and EDGA quotes on and off.

So in the delay it takes between the quotes getting stuck and us removing them from the master servers or pulling the ECN all together due to consistently bad quotes, individual traders have the ability to bring them in and out of the box yourself.

Additionally, you can always use permanent settings to apply these filters to ECNs you don't want to see and don't want to bother making a hotkey for. Here's a screen shot and instructions:

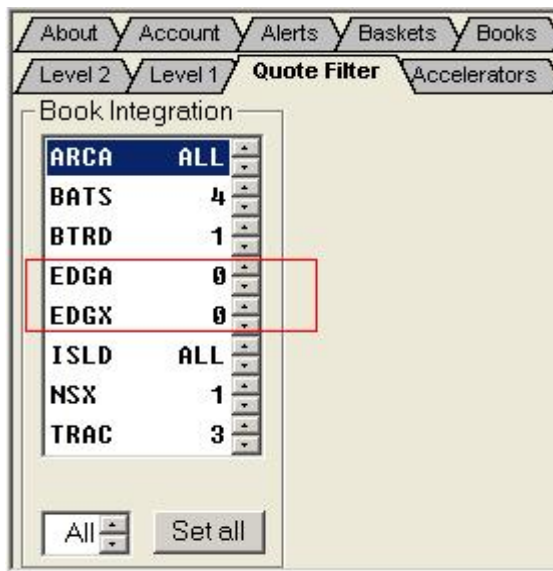
1. Right Click on your Market Maker and pick "Filter"



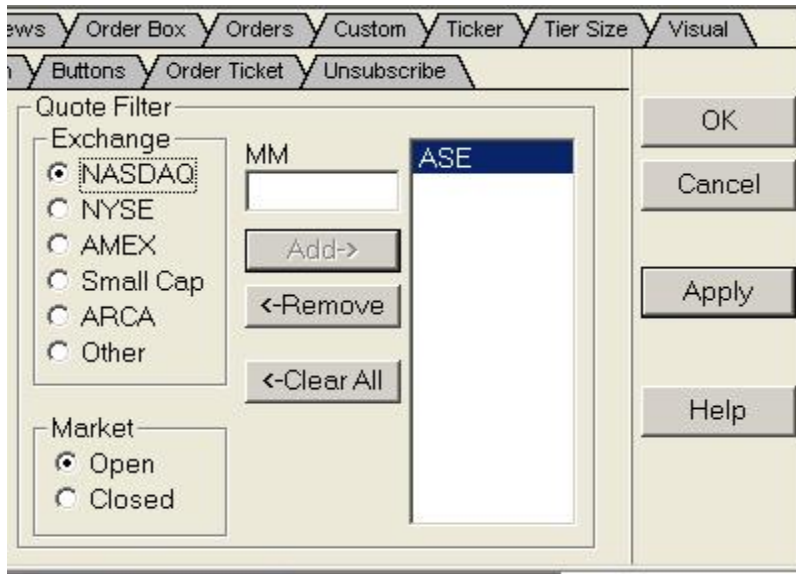
- 2. On the far left, under “Book Integration”, are the markets we have a direct connection to. (this screen shot lists just some of them)

To show multiple levels of any of these markets, increase the number.

To remove them, in the case of bad quotes, change the number to 0



3. Additionally, traders can filter other markets such as ASE, CBO, PHS – those which Assent may maintain indirect connectivity with – by adding them into the list on the far right. Remember, you must do this for each exchange that you want to remove the market maker from.



Also, you ideally want to set the “MM Book Lines integrated” option to All. But you can experiment with this setting based on your preference. The ALL setting will technically require substantial bandwidth capacity but entire MM quotes can be by-passed by only choosing 1. This applies for the most part to remote traders who may not have the most robust of connections. Most Assent office based traders can typically set this value to “ALL”.

