



User's Manual

**QUIK User Workstation,
a direct access front office system**

Version 12.2



Contents

Chapter 1. Before starting

1.1 General information	2
1.2 System requirements.....	3
1.3 Program installation.....	3
1.4 Adding and selecting crypto provider in QUIK Workstation settings.....	5
1.5 Configuration of encryption carried out by means of qcrypto32 library.....	8
1.6 Configuration of QUIK Workstation to operate with SSLAndMessagePro cryptoprovider	9
1.7 Configuration of encryption and digital signature carried out by means of MP library	17
1.8 Configuration of encryption and digital signature carried out by means of OpenSSL library	23
1.9 Running keys of the QUIK Workstation.....	26
1.10 Configure connection	27
1.11 Connecting to the QUIK Server	35
1.12 Monitoring the connection status.....	38
1.13 Versions of components and plugins	42
1.14 Program updates.....	43
1.15 Receiving files.....	43
Appendix 1. Error messages	46
Appendix 2. Example of certificate retrieval via web interface of Certification Authority.....	50

Chapter 2. Basic operating principles

2.1 Data structure	2
2.2 Program interface.....	4
2.3 Global filters	7
2.4 Quick search for an instrument	9
2.5 Configuring data request.....	14
2.6 Tabs	17



2.7 Working with windows	18
2.8 Tables.....	22
2.9 System messages	45
2.10 Configuring the QUIK Workstation	47
2.11 Changing the interface language	55
2.12 Saving / restoring the configuration.....	55
2.13 Hotkey editor.....	57
2.14 APPENDIX	61

Chapter 3. Viewing information

3.1 Create a window	4
3.2 Quotes table	7
3.3 Time and Sales table	16
3.4 Level II Quotes table	20
3.5 Account state table.....	31
3.6 Orders table	55
3.7 Stop orders table	65
3.8 Trades table	73
3.9 News	82
3.10 Trader messages window	87
3.11 Alerts window	92
3.12 Client portfolio table	108
3.13 Buy / Sell table	120
3.14 Summary table of positions	127
3.15 Positions in instruments table	129
3.16 Cash positions table.....	133
3.17 Trading accounts table.....	137
3.18 Client account limits table	140
3.19 Client account positions table.....	144
3.20 Options board table	147
3.21 Market risk parameters [Derivatives]	152
3.22 Negdeal orders table.....	154



3.23 NDM quotes table	162
3.24 NDM Level II Quotes table	167
3.25 Aggregated NDM and REPO quotes	170
3.26 Trades for execution	173
3.27 Order reports for NDM trades table	180
3.28 Settlement codes table	185
3.29 Permissions to receive NDM quotes table	187
3.30 Table of cash liabilities and claims	188
3.31 Table of asset liabilities and claims (extended)	190
3.32 Table of liabilities and claims for assets	192
3.33 Interest risk parameters table	193
3.34 Market risk parameters table	195
3.35 Individual risk parameters table	197
3.36 Table of cash liabilities and claims [Currency]	199
3.37 Currency: commitments and demands on assets table	200
3.38 Currency: interest risk parameters table	202
3.39 Currency: market risk parameters table	204
3.40 Currency: individual risk parameters table	206
3.41 Currency: interproduct spreads	207
3.42 Table of a Market-Maker's liabilities by stock and foreign exchange markets ..	208
3.43 Table of extended liabilities of Market Maker for stock and currency markets ..	211
3.44 Table of Market Maker's liabilities by derivatives market	215
3.45 Quotes history table	217
3.46 Quotes changes table	220
3.47 Participant's cash positions	221
3.48 Participant's positions in instruments	225
3.49 Participant's positions on trading accounts	226
3.50 Participant's positions in instruments on trading accounts	228
3.51 Aggregated Level II Quotes table	230
3.52 Transaction pocket table	234
3.53 Transactions table	238
3.54 System messages	242



3.55 Table of client requests for orders execution	245
3.56 Table of trading participants	246
3.57 Relative risk rates table	249
3.58 Traders information table	250
3.59 NCC transfers table	253
3.60 Prohibition on operations table	255
3.61 Information on settlement codes	257
3.62 Transfer types table	258
3.63 Bank accounts table	259
3.64 Table of algorithmic orders	262
3.65 APPENDIX 1. Formulas for Calculating the Client Portfolio Parameters	265
3.66 APPENDIX 2	268

Chapter 4. Working with graphs

4.1 The graphs window	2
4.2 Graph configuration	12
4.3 Technical Analysis Instruments	44
4.4 Methods of Technical Analysis	56
4.5 Bonds Yield Graph	91

Chapter 5. Client operations

5.1 General method of executing transactions	4
5.2 Order entry	5
5.3 Order confirmation	20
5.4 Order cancellation	20
5.5 Order amendment	21
5.6 Contingent (Stop) orders	22
5.7 'If done' orders	31
5.8 Handling orders from the Level II Quotes table	35
5.9 Swapping orders for options and futures	44
5.10 Closing positions	45
5.11 Closing all positions	47



5.12 Reverse position.....	48
5.13 Calculating premiums for options	49
5.14 Parameters of trading operations	51
5.15 Accounts settings	61
5.16 Instrument parameters	62
5.17 Cancelling orders by condition	67
5.18 Configuring order entry fields autofilling	69
5.19 Configuring order volume limits	75
5.20 Client and market descriptions	76
5.21 Error messages	77

Chapter 6. Working with other programs

6.1 Data export via DDE server	2
6.2 Exporting data using ODBC.....	6
6.3 Exporting instruments via ODBC	10
6.4 Points to be aware of when exporting data	11
6.5 Export of data into technical analysis systems using built-in tools.....	11
6.6 Configuring wealth-lab developer	15
6.7 Configuring AmiBroker	20
6.8 Export of data into technical analysis systems using external programs	23
6.9 Transaction import	25
6.10 Importing transactions via API	39
6.11 APPENDIX	59

Chapter 7. Broker operations

7.1 Viewing trader positions	2
7.2 Working with client limits	2
7.3 Sub-administration	3
7.4 Margin trading	6
7.5 Handling positions	10
7.6 Dynamic position correction from file	19
7.7 Operations with client limits on derivatives market	25



7.8 Operations in the Negotiated Deal Mode.....	29
7.9 REPO operations	31
7.10 Entering orders	34
7.11 Trading operations in NDM, REPO, REPO-M, REPO with CCP and RCB REPO with confirmation modes.....	35
7.12 Makler order	57
7.13 Makler stop orders.....	61
7.14 Participation in auctions for instruments placement	66
7.15 Client transactions receipt mode with confirmation by the broker	67
7.16 APPENDIX. Error messages for working with positions.....	69

Chapter 8. QPILE language

8.1 General.....	4
8.2 Working with QPILE tables.....	6
8.3 Program file structure	10
8.4 QPILE language constructs	14
8.5 General functions	22
8.6 Mathematical functions	24
8.7 Functions for working with collections (COLLECTION).....	26
8.8 Functions for working with associative arrays (MAP)	27
8.9 Functions for accessing rows in arbitrary QUIK tables	29
8.10 Functions for accessing a list of available parameters.....	49
8.11 Functions for handling programmable tables.....	50
8.12 Functions for getting values from the quotes table.....	53
8.13 Functions for retrieving values from the Level II Quotes table	62
8.14 Functions for retrieving values from the Positions in instruments table	62
8.15 Functions for retrieving values from the Cash positions table	65
8.16 Functions for the calculation of margin positions	67
8.17 Functions for retrieving values from the Client Portfolio and Buy / Sell tables...	68
8.18 File handling functions	75
8.19 String handling functions.....	77
8.20 Chart handling functions	78



8.21 Order handling functions	81
8.22 Label handling functions.....	83
8.23 Service Functions	86
8.24 QPILE program debugging	89
APPENDIX 1. QPILE command syntax	91
APPENDIX 2. Recommendations for writing programs in QPILE	93

Chapter 9. Additional features

9.1 Reports.....	2
9.2 Investment recommendations.....	12

Chapter 10. Installation on Astra Linux

10.1 Before starting	1
10.2 Installation of QUIK Workstation	1
10.3 Running QUIK Workstation in Astra Linux OS	2



Additional consulting

If you have any question as regards installation and/or operation of QUIK, please consult your broker's QUIK system administrator.

Any information about modifications in current versions of QUIK is available from our official website: <http://argatech.com/en/>.

Your opinions and comments on this User's Manual are welcome at quiksupport@argatech.com.

