

## Quick Reference Guide

### Getting Started in a Visual Workspace Where You Can Excel

For more information on PANARAY®: US: (800) 419-6632 UK: 0 (800) 969 581 International: (310) 446-6199 support@williamoneil.com PANARAY.com

version 5.0

Tip Slide finger from the right or left edge of the screen to navigate between Symbol and your last aggregate view (List or Groups).

Datagraph<sup>™</sup>. **Fundamentals** Tabs Toggle between the Datagraph

1

and financial reports.

Add to List Add the current symbol to one of your lists or add an alert.

3

## Getting Started

Flag Flag a symbol in the chart and list views.



#### Symbol Input

Tap to enter a symbol. Search for companies by typing the company name.

Tip Chanae between dark and light themes via the Display control in the settings menu. View light theme on pages 4 & 11.

9

# Types of Data



PANARAY ver. 5.0

Settings menu.

## Configuring Data



### Symbol Panels



**Customize View** 

Tap financials to customize metrics and toggle between fiscal and calendar year end.

5

PANARAY ver. 5.0

reveal.

-

NNUAL - DEC END

NEEKLY

## Alerts & Annotations



Messages

View triggered alerts and other messages by tapping the message center icon at the bottom of the app.



5

List-Based Alerts Schedule an alert for when significant changes occur in your lists, so you're always

on top of your game.

## Fundamentals Tab

2 Statement Periods

	among Dollars, Com	Tap to toggle the data display among Dollars, Common Size, and Year-Over-Year when available.			Tap to toggle the order between most recent and oldest.			
DATAGRAPH™ FUNDAM	IENTALS	⊕ ⊢ A	pple Inc	AA	PL 4	-0.59	%	
Financial Statements	IPQ 05/18/2012.   Internet-Content MktCap \$161.8 B (\$	208.7 B) EPS	3 DUE 10/28/20	)14e				
Income Statem	Income Statement (Dollars), in Millions, except per-share amounts. (USD United States Doll Template: Standard In					Industr	dustrial	
		Fiscal 2014		Fiscal 2013				
Balance Sheet		Jun (Q2)	Mar (Q1)	Dec (Q4)	Sep (Q3)	Jun (Q2)	Mar	
Cash Flow	Income							
Reports	Total Operating Revenues	2.910.0	2.502.0	2.585.0	2.016.0	1.813.0	1	
	Total Cost of Revenues	473.0	463.0	490.0	507.0	465.0		
Ratios	Gross Profit	2.437.0	2.039.0	2.095.0	1.509.0	1.348.0	1	
	Research and Development	492.0	455.0	409.0	369.0	344.0		
	SG&A	555.0	510.0	553.0	404.0	442.0		
	OPERATING INCOME	1.390.0	1.074.0	1.133.0	736.0	562.0		
	Non-Operating Income / Expense			(2.0)	11.0			
	EBIT	1,390.0	1.074.0	1.131.0	747.0	562.0		
	Interest Income / Expense	(4.0)		(1.0)	(21.0)	(17.0)		
	Income Before Income Taxes	1.386.0	1.074.0	1.130.0	726.0	545.0		
	Provision for Income Tax	595.0	432.0	607.0	301.0	212.0		
	Income After Taxes	791.0	642.0	523.0	425.0	333.0		
	Income from Continuing Operations	791.0	642.0	523.0	425.0	333.0		
	NET INCOME	791.0	642.0	523.0	425.0	333.0		
	Preferred Dividends and Other Adjustments to Net Inc	(3.0)	(3.0)	(2.0)	(3.0)	(2.0)		
	Net Income Available to Common Sharehold	788.0	639.0	521.0	422.0	331.0		
	Basic EPS From Continuing Operations	0.31	0.25	n 22	0 17	0.14		

**1** Display Preference

#### 3 View Additional Periods

Swipe vertically or horizontally to view additional data rows and columns that are not in view.

4 Statement Intervals

Tap to change the statement interval.

5

Financial Statements Tap a statement name to load the data.

	1 List Name Navigate to o PANARAY pre name to load	ohy or <b>w Datagraph</b> a symbol row to view cl	Tap to sele create a o set. Colum be addeo within the	t. Lists Lists Lists Lists Lists Lists Lists Lists Lists Column Set Tap to select or create a column set. Columns may be added or edited within the selected column set.			
	44 items in Sales and Earnings Growth	Column Se	et: Recommended	Add Columns	Keyword Filter	6 Column Filter	
12	DATABASES	United States				Tap to filter on data within a column.	
<b>Databases</b> The O'Neil Database®	O'NEIL OWNERSHIP	Screen 1 ON			> 80		
tracks 70,000 stocks, indices, and mutual	Back Fundamental	# 🏴 Symbol	Name	Type Mkt Val (Mil)	EPS Rnk Sls, % Chg Sls, % Wkly, Cur List Qir Vs List	<b>Sort</b> Tap to sort; tap again to	
funds in over 70 countries. Ownership	CANSLIM	20 FB	Facebook Inc CI A	S 228,273	99 49:0% 58	reverse-sort.	
database has over 650,000 funds,	Companies Reporting Th	42 BABA	Alibaba Group Hldg Ads	S 204,656	96 36.0% 42		
banks, and portfolio manager records.	Top Companies in Top In	5 GILD	Gilead Sciences Inc	S 146,602	97 134.0% 122		
	Sales and Earnings Growth	8 ALXN	Alexion Pharmaceuticals	S 34,353	99 36.0% 44	8 View Additional	
	Earnings Surprises Last	10 ILMN	Illumina Inc	S 26,317	99 32.0% 31	Metrics Swipe vertically or	
	Fastest Growing Compa	7 PCYC	Pharmacyclics Inc	S 19,491	97 135.0% 180	horizontally to view additional data rows	
	Low P/E and P/B	1 SWKS	Skyworks Solutions Inc	S 18,416	98 59.0% 41	and columns.	
		22 PANW	Palo Alto Networks	S 11,667	99 54.0% 53		
		14 JAZZ	Jazz Pharmaceuticals Plc	S 10,243	97 39.0% 34		
		3 TOL	Toll Brothers Inc	S 7,007	98 33.0% 42		
		28 DATA	Tableau Software CI A	S 6,463	87 75.0% 78	Tip	
		Summary Statist Maximum:		tistics ♥ 228,273	99 168.0% 180	List details (names,	
	+		Average: Minimum:	17,843 123	98 65.5% 68 87 30.0% 29	locations, and content) are synced between the mobile	
	PANARAY •	ф 🔊 🗐 🎟	S S	120	01 00.070 22	and desktop apps.	
-	Cho	List Views pose between List View, i-Chart, List Analytics, or Quote Board.		cheduled Lists ovides automation screening and list livery.	9 Summary Stats Each column's max average, and minin Tap a data set to via	imum, num values.	
					distribution chart.		

## User Lists

*Tip* You may delete lists or symbols within your lists by swiping across the item you wish to delete.



Tap the Flag icon to tag a symbol in the chart and list views. Tap column header to sort on flagged stocks. The Flagged Symbol list is found in the PANARAY Lists folder.



### Compare Overview

#### 1

#### **Rotation Graph**

Visualize sector rotation on a grid that plots long-term performance against short-term momentum.



#### Comparison Graph

2

Compare the performance of multiple stocks over a selected time period.







*Tip* Tap and hold Group Movement

### Research **Research View**



**Global Outlook** 

Easily monitor the condition of markets around the globe.



More

Analyst Commentary

Search

View commentary written by William O'Neil + Co. equity analysts.

THEMATIC EQUITY RESEARCH

Romeo Alvarez, Oct 13, 2016

IMA Accelerates Its Market Leadership

Industria Macchine Automatiche (IMA.IT; IMA:IM),

packaging machinery for the food, pharmaceutical,

firms in the food and pharmaceutical industries to

innovation in niche areas, large geographical reac...

Broadridge Financial Solutions ( BR ), the platform

of choice in North America for proxy services, also

provides clearing and settlement services for

Company serves North America and 70 other

countries, but 96% of its revenue is derived from

the U.S. and Canada. Broadridge generates stable...

banks, broker dealers, global corporate issuers, mutual funds, and institutional investors. The

the leading global producer of processing and

increasing demand from global manufacturing

automate their operations. With its focus on

Broadridge Solidifies as Proxy

ServicesLeader

Dean Kim, Sep 19, 2016

and cosmetics industries, is capitalizing on

#### DASHBOARD

MARKET VIEW

Dec 02, 201

Nov 25, 201

Nov 18, 201

Dec 02, 2016

O'NEIL RESEARCH

SECTOR SUMMARY More

Global Markets Still

Without Direction, U.S.

Sector Spreads Widen

Twenty-three developed

markets lost 0.5% on average

this week. Fifteen markets fell.

including 11 (the U.S., the U.K.,

Germany, Australia, Sweden,

Switzerland, Finland, Belgium,

Portugal) by 1.0-1.9%. Seven .

Higher, U.S. Small Caps

the Netherlands, ireland,

Most Markets Trade

Ask an Analyst 📼 Q

More

#### Stocks Mentioned in Recent Research

FB GOOGL ANET NAPIN

More

#### FOCUS LISTS

Global Focus Emerging Long<sub>Dec 02, 2016</sub>

Mainland Chinese markets fell for the week, but remain in Confirmed Uptrend. The Shanghai and Shenzhen pulled back 0.55% and 2.1%, respectively, but both remain above moving averages with uptrend still well intact. Market direction going forward could be directed by the strength in the Shanghai. Since October, the market has outperformed the Shenzhen, up 8...

#### Global Focus Frontier Long Dec 02, 2016

US Focus LongDec 02, 2016

The U.S. market remains in a Confirmed Uptrend, despite significant divergence between the S&P 500 and Nasdaq. Accumulation across value has supported the S&P 500, which remains less than 1% off highs. Conversely, continued weakness across growth, specifically Technology, has led to an intraweek 50-day moving average break by the Nasdaq. Ideas that have led since ...

Nov 25, 2016

at All-Time Highs

### News Overview

#### 1 Sources

Select from more than 50 news sources from around the world.

Filters Filter news items by stock symbol or keyword.

2

Portfolio ×	WON Ideas ×	
Sources: Ars Technica +57 more	Sources: Ars Technica +57 more	
Filters: FB, NFLX, AMZN, GOOGL, MSFT	Filters: "driverless car"	
Facebook posts its fast and accurate ConvNet models for machine translation on GitHub	Uber setting up driverless-car lab in Toronto	
Tue, May 9, 2017 09:35 AM PDT TechCrunch	Mon, May 8, 2017 06:26 AM PDT CTV News	
Target's Next-Day Delivery: Fast Enough To Counter Amazon, Wal-Mart?	The \$5.4 billion pet services industry is growing — and attracting professionals from other fields	
Tue, May 9, 2017 08:09 AM PDT Investor's Business Daily - Business	Thu, May 4, 2017 09:28 AM PDT CNBC - Top News	
Snap's first earnings report will show how much it's feeling pressure from Facebook	The FBI is investigating a casino project with ties to Trump for labor issues	
Tue, May 9, 2017 07:55 AM PDT CNBC - Investing	Thu, May 4, 2017 08:37 AM PDT CNBC - Business + Add News Stream	
Snap's First Quarterly Earnings Report Will Reveal Facebook's Impact	Uber and Waymo Duel at Key Hearing Over Driverless Car Technology	
Tue, May 9, 2017 07:47 AM PDT Investor's Business Daily - Technology	Wed, May 3, 2017 05:49 PM PDT New York Times - Business	
Hear Dataminr and NYC officials talk about using social media in emergency situations	One of Europe's largest carmakers will test its self-driving cars in Singapore	
Tue, May 9, 2017 07:23 AM PDT TechCrunch	Wed, May 3, 2017 10:44 AM PDT CNBC - Top News	
Two ICON Aircraft employees killed in plane crash near Lake Berryessa	GM introduces 'Maven Gig' rental program for app-based freelance drivers	
Tue, May 9, 2017 06:58 AM PDT San Jose Mercury News	Wed, May 3, 2017 03:55 AM PDT Los Angeles Times - Finance	
Facebook and Twitter's history shows Snap's first earnings might not be an easy ride	How self-driving cars will profoundly change real estate	
Tue, May 9, 2017 06:42 AM PDT CNBC - Investing	Tue, May 2, 2017 08:35 AM PDT CNBC - Top News	
Op-Ed: Beware of big gains in big names like	Meet the people who train the robots (to do	

## FAQs

#### 1. Missing data or slow refresh on PANARAY Mobile?

Verify internet connectivity by browsing to www.williamoneil.com on Safari.

Disable PANARAY Mobile from sending and receiving data through an encrypted connection. Go to Settings > PANARAY > Turn off Data Encryption \*Sign-on credentials are always transmitted via encrypted connection

### 2. Unable to sign on to PANARAY Mobile on your corporate or enterprise wifi network?

Verify connectivity and disable data encryption as stated above.

#### For further assistance, contact William O'Neil + Company Institutional Client Services at:

US: (800) 419-6632 UK: 0 (800) 969 581 International: (310) 446-6199