Multi-View Quick Start Guide

Ver: 0.04

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Main Screen - Scan Network

Multi-View on start-up auto scans the network to find all of the available Cx Monitors.

Make sure that the power monitors are connected to the network and have IP addresses.

See Cx Plus User Manual for instructions:

https://filemanager.rxms.com/downloads/instructions/CxPlus_User_Manual.pdf

"Rescan Network":

Multi-View scans the network on startup and adds all the monitors it finds to the list. Click **Rescan Network** to search for any monitors that have been added to the network.

Multi-View supports multiple network connections. If the computer has a WiFi and wired network it will find Cx Monitors on both.

Modify View

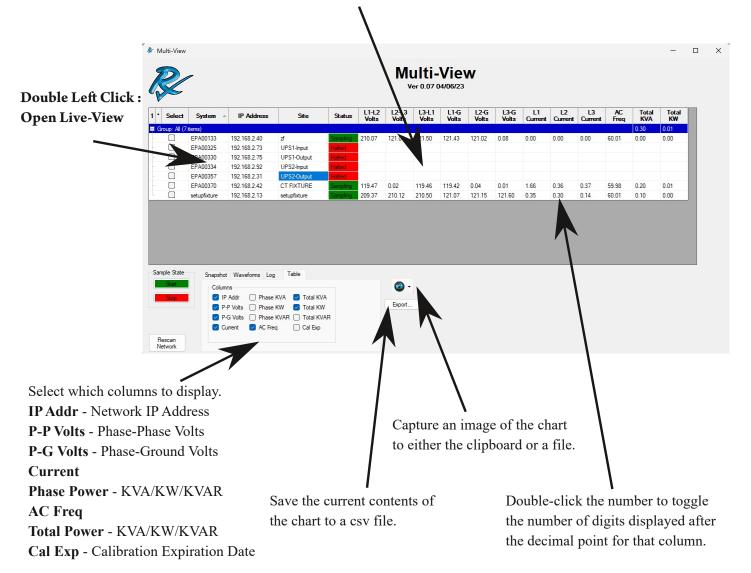
The Multi-View software can be modified to suit customers needs.

Double Left Click on the column:

System: Launch Live-View Column header: Sort by column Data Section: Change significant digits for column Select: Selects all the Monitors in that group

Right Click on the table:

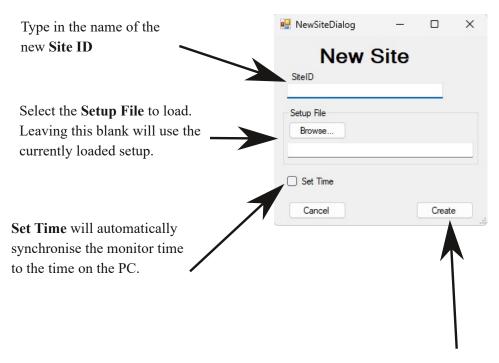
Launch Live-View Create a New Site Create new group and add Add to existing group Remove from group



New Site

The Multi-View software allows the user to create a New Site on the monitor.

Right-Click on the row with the desired monitor and select **New Site** from the pop-up menu. The monitor must be in the "Halted" state or an error will appear.



Click **Create** to create the new site on the monitor, load the selected Setup File, and synchronise the clock on the monitor.

Add New Group

A Cx Monitor can be added into a group for control and display purposes. The power monitors will autocratically be added to the "ALL" group upon detection by the software. Power Monitors can be added to multiple groups.

To add a Cx Monitor to a new group:

- 1. Right Click on the data row of the power monitor you want to add.
- 2. Select "Add to New Group"
- 3. Type the name of the group you want to add.
- 4. The New group will be created and the Cx Monitor will be added to it.

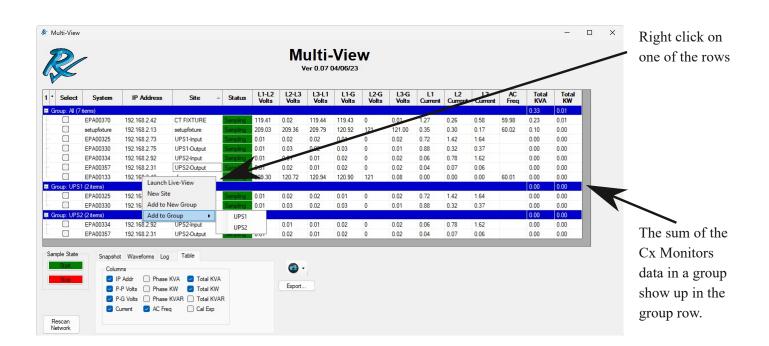
Multi-Viev							ulti- /er 0.07 (Vie	w							-		×	Right click on one of the rows
1 • Select	System	IP Address	Site	Status	L1-L2 Volts	L2-L3 Volts	L3-L1 Volts	L1-G Volts	L2-G Volts	L3-G Volts	L1 Curren	L2 Current	L3 Current	AC Freq	Total KVA	Total KW			
Image: Construction of the second s	7tems) EPA00133 EPA00325 EPA00330 EPA00334 EPA00357 EPA00370 setupfixture	192.168.2.40 192.168.2.73 192.168.2.75 192.168.2.95 192.168.2.81 192.168.2.42 192.168.2.13	af UPS Launch Livy UPS Launch Livy UPS Add to UPS Add to CT FIXTURE setupfixture		209.44 0.01 01 02 01 119.40 209.04	120.72 0.0 0.02 0.02 209.53	121.16 0.02 0.01 0.01 119.39 210.07	121.12 0.01 0.02 0.02 0.02 119.37 120.94	121 0 0 0 0 0 121	0.08 0.02 0.01 0.02 0.02 0.01 121.23	0.00 1.61 1.19 1.68 0.05 0.83 0.37	0.00 0.91 0.92 0.41 0.07 0.33 0.32	0.00 0.40 1.17 0.44 0.05 0.61 0.16	59.99 59.95 59.99	0.20 0.00 0.00 0.00 0.00 0.00 0.00 0.10 0.10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0			
Sample State	Colu	IP Addr Phase P-P Volts Phase	KVA 🗹 Total KVA KW 🗹 Total KW KVAR 🗌 Total KVA			Export				Enter UPS1	a New	Group N	lame		_	_	_		Enter group

Add Cx Monitor to existing Group

Power Monitors can be added to multiple groups.

To add a Cx Monitor to a existing group:

- 1. Right Click on the data row of the power monitor you want to add.
- 2. Select "Add to Group"
- 3. Select the group you want to add the power monitor to.
- 4. The Monitor is now added to the group.



Remove Cx Monitor from existing Group

The group will disappear when all of the power monitors are removed from it.

To remove a Cx Monitor from a group:

- 1. Right Click on the data row of the power monitor you want to add.
- 2. Select "Remove From Group"
- 3. The monitor will be removed from the group.

M	ulti-View																	-		×	×
アーレ	Z	-							ulti- /er 0.07	-Vie	w										
T	Select	System	IP Address	Sit	te	▲ Status	L1-L2 Volts	L2-L3 Volts	L3-L1 Volts	L1-G Volts	L2-G Volts	L3-G Volts	L1 Current	L2 Current	L3 Current	AC Freq	Total KVA	Total KW			
	oup:All (7 i	tems)															0.13	0.01			
		EPA00370	192.168.2.42	CT FIXT	URE	Sampling	119.63	0.02	119.56	119.56	0	0.02	0.45	0.99	0.54	59.96	0.03	0.01			
		setupfixture	192.168.2.13	setupfixtu	ure	Sampling	209.13	209.57	210.27	121.05	121	121.34	0.35	0.31	0.17	59.98	0.10	0.00	_		
		EPA00325	192.168.2.73	UPS1-Inp		Sampling	0.02	0.02	0.02	0.01	0	0.02	0.58	0.16	0.22		0.00	0.00			
		EPA00330	192.168.2.75	UPS1-Ou		Sampling	0.01	0.03	0.02	0.02	0	0.01	2.23	1.70	0.40		0.00	0.00			
		EPA00334	192.168.2.92	UPS2-Ing		Sampling	0.02	0.01	0.01	0.02	0	0.02	1.59	2.85	1.00	-	0.00	0.00			
		EPA00357	192.168.2.31	UPS2-Ou	utput	Sampling	0.02	0.02	0.01	0.02	0	0.02	0.04	0.07	0.05		0.00	0.00			
		EPA00133	192.168.2.40	zf		Sampling	209.37	120.71	121.21	121.17	121	0.08	0.00	0.00	0.00	59.98	0.00	0.00			
aľ	oup: UPS1	(2 items) EPA00325	192,168,2,73	UPS1-In		Constant	0.02	0.02	0.02	0.01	0	0.02	0.58	0.16	0.22		0.00	0.00			
		EPA00325 EPA00330	192.168.2.73	UPS1-In		Sampling	0.02	0.02	0.02	0.01	0	0.01	2.23	1.70	0.22		0.00	0.00			
àr	oup: UPS2		132.100.2.75	UISIN	Launch	h Live-View		0.05	0.02	0.02		0.01	2.23	1.70	0.40		0.00	0.00			
		EPA00334	192.168.2.92	UPS2-I	New Si	ite		0.0		0.02	0	0.02	1.59	2.85	1.00		0.00	0.00			
	Ō	EPA00357	192.168.2.31	-	Remov	ve From Grou	p.		0.01	0.02	0	0.02	0.04	0.07	0.05		0.00	0.00			
1					Add to	New Group															
am	ple State	Snapsho	t Waveforms Lo	a Table	Add to	Group															
	Start	Colun		9				3 -													
	~			KVA 🔽	Tatal 10	10															
	Stop			_				Export.													
		_	-P Volts Phase -G Volts Phase	_	Total K																
			_	-	Cal Exp																
			ument 🗹 AC Fre	eq 🕖	Cai Exp																
	iscan twork																				

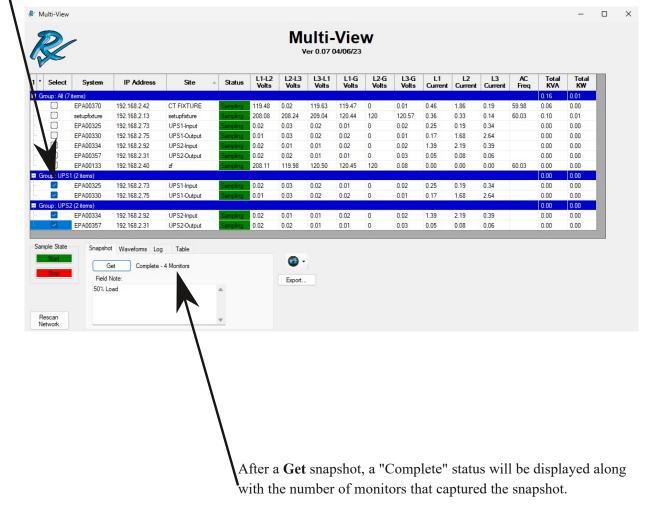
Snapshots

Cx Monitors can have multiple snapshots taken with field notes added to each one with the snapshot tab.

To take a group snapshot

1. Use the **Select** check box or Double-click the check box in the **Select** column to select/deselect all the monitors in the group.

- 2. Select the **Snapshot** tab
- 3. Enter the Field Note
- 4. Click the **Get** button. "Complete" will appear with count of monitors data collected



QUICK TIP: Double click on a row in the "Select" column to select all of the monitors in that group.

Waveforms

Cx Monitors can have multiple waveform captures taken with field notes added to each one with the Waveforms tab.

To take a waveform capture

1. Use the **Select** check box or Double-click the check box in the **Select** column to select/deselect all the monitors in the group.

- 2. Select the **Waveforms** tab
- 3. Enter the **Duration** in cycles (10-20000)
- 4. Enter the **Field Note**
- 5. Click the **Start** button to start a Waveform Capture.
- 6. "Start Complete" will appear with the number of monitors
- 7. Monitor Status will change to "Waveform" while the waveform capture is active.
- 8. Click **Stop** to end the waveform capture.
- 9. "Stop Complete" will appear with the number of monitors stopped

ect	System	IP Address	Site	▲ Status	L1-L2 Volts	L2-L3 Volts	L3-L1 Volts	L1-G Volts	L2-G Volts	L3-G Volts	L1 Current	L2 Current	L3 Current	AC Freq	Total KVA	Total KW
II (7	items)														0.17	0.01
	EPA00370	192.168.2.42	CT FIXTURE	Sampling	119.51	0.02	119.50	119.50	0	0.02	0.62	0.37	1.54	59.96	0.07	0.01
	setupfixture	192.168.2.13	setupfixture	Sampling	208.00	208.38	208.78	120.26	120	120.54	0.35	0.31	0.15	59.99	0.10	0.00
	EPA00325 EPA00330	192.168.2.73	UPS1-Input	Waveform	0.01	0.03	0.02	0.01	0	0.02	0.52	1.17	0.73		0.00	0.00
	EPA00330	192.168.2.75 192.168.2.92	UPS1-Output UPS2-Input	Waveform Waveform	0.02	0.03	0.01	0.02	0	0.01	1.90 0.92	2.37 0.64	1.84 3.35		0.00	0.00
	EPA00354	192.168.2.31	UPS2-Output	Waveform		0.02	0.02	0.02	0	0.02	0.04	0.04	0.05		0.00	0.00
	EPA00133	192.168.2.40	zf	Sampling	208.21	120.03	120.35	120.31	120	0.02	0.00	0.00	0.00	59.99	0.00	0.00
PS	(2 items)														0.00	0.00
	EPA00325	192.168.2.73	UPS1-Input	Waveform	0.01	0.03	0.02	0.01	0	0.02	0.52	1.17	0.73		0.00	0.00
	EPA00330	192.168.2.75	UPS1-Output	Waveform	0.02	0.03	0.01	0.02	0	0.01	1.90	2.37	1.84		0.00	0.00
PS2	2 (2 items)														0.00	0.00
	EPA00334	192.168.2.92	UPS2-Input	Waveform	0.02	0.01	0.02	0.02	0	0.01	0.92	0.64	3.35		0.00	0.00
	EPA00357	192.168.2.31	UPS2-Output	Waveform	0.01	0.02	0.01	0.01	0	0.02	0.04	0.08	0.05		0.00	0.00
te	Snapsho Star Field N 25% -	lote: Duration: 2	g Table Start Complete - 4 M 20000 cycles	onitors		Export										

number of monitors started or stopped.

Log

A command log is stored in memory that can be saved for access later with time stamps and commands issued to the Cx Monitors.

To view the log

- 1. Select the Log tab
- 2. Click **Save** to save the current log entries

3. Click **View** to open the saved log file. It will use whatever program you have associated with .txt files. If you have none, you will be prompted to select one.

4. Click **Clear** to remove the current in memory log entries.

		Freq KV	Current Fr	Current	Current	Volts	Volts	Volts	Volts	Volts	Volts	Status	Site 4	-	IP Address	System	elect
	0.12 0.01	0.12														items)	p: All (7
	0.01 0.00	59.98 0.01			0.12	0.02						Sampling	TURE	CT FIX	192.168.2.42	EPA00370	
	0.10 0.00	59.99 0.10			0.35	120.87	120	120.44	209.31			Sampling	ixture	setupfix	192.168.2.13	setupfixture	
	0.00 0.00								0.02			Sampling			192.168.2.73	EPA00325	
	0.00 0.00					0.01			0.01			Sampling			192.168.2.75	EPA00330	
	0.00 0.00				0.74				0.01			Sampling			192.168.2.92	EPA00334	
	0.00 0.00											Sampling	Output		192.168.2.31	EPA00357	
2.40 zf Samping 208.77 120.30 120.75 120.73 120 0.08 0.00 0.00 0.00 59.99	0.00 0.00		0.00 59.9	0.00	0.00	0.08	120	120.73	120.75	120.30	208.77	Sampling		zſ	192.168.2.40	EPA00133	
	0.00 0.00															1 (2 items)	
	0.00 0.00											Sampling			192.168.2.73	EPA00325	~
2.75 UPS1-Output Sampling 0.01 0.03 0.01 0.02 0 0.01 2.16 0.64 0.11	0.00 0.00		0.11	0.64	2.16	0.01	0	0.02	0.01	0.03	0.01	Sampling	Output	UPS1-	192.168.2.75	EPA00330	~
	0.00 0.00															2 (2 items)	
												Sampling					-
2.31 UPS2-Output Sampling 0.02 0.01 0.01 0 0.02 0.06 0.08 0.04	0.00 0.00	0.00	0.04	0.08	0.06	0.02	0	0.01	0.01	0.02	0.02	Sampling	Output	UPS2-0	192.168.2.31	EPA00357	~
Log Table 0.230 657:18 Stop, EPA00330, EPA00557 [LP.] Image: Comparison of the co	0.00 0.	0.00							0.01	0.02	0.02	Samping D. EPA00551 EPA00357 EPA00357 EPA00357 EPA00357 00357	Output p. EPA0033 aveform Start aveform Stop aveform Stop aveform Stop aveform Stop aveform Stop apshot, EP/	UPS2-0 99 Tabl 8:57:18 Stop 5:14:59 Wan 5:15:05 Wan 5:15:05 Wan 5:15:15 Wan 5:15:15 Wan 5:15:15 Wan	Apr 11, 23 15: Apr 11, 23 15:	EPA00334 EPA00357	e State - tart

Date, Command, Field Note, (List of monitors)

Be sure to **Save** the current log entries before attempting to **View** them.

File	Edit	Fo	rmat	View	Help
Mar	02,	21	09:	28:23	Snapshot, ,
Mar	02,	21	09:	28:27	Snapshot, , EPA00247
Mar	02,	21	09:	28:32	Snapshot, , EPA00247, EPA00221, EPA00268, EPA00307, EPA00235
Mar	02,	21	09:	36:31	Start, EPA00307, EPA00221
Mar	02,	21	09:	43:13	Snapshot, UPS1 , EPA00221, EPA00235
Mar	02,	21	09:	44:05	Snapshot, , EPA00235
Mar	02,	21	09:	44:09	Snapshot, , EPA00235, EPA00221
Mar	02,	21	09:	44:13	Snapshot, UPS1, EPA00235, EPA00221
Mar	02,	21	09:	54:26	Snapshot, UPS2, EPA00307, EPA00247
Mar	02,	21	09:	55:58	Waveform Start, 0-25%, EPA00307, EPA00247
Mar	02,	21	09:	56:03	Waveform Stop, 0-25%, EPA00307, EPA00247
Mar	02,	21	09:	56:09	Waveform Start, 0-25%, EPA00307, EPA00247
Mar	02,	21	09:	56:16	Waveform Stop, 0-25%, EPA00307, EPA00247