Backup Converter Quick Guide

Version 1.1 January 2016







Publication ERSC-1100

ConveyLinx module firmware and functionality is protected by U.S. and international patents. For complete patent information visit <u>www.pulseroller.com/patents</u>

BACKUP CONVERTER

SYMBOL CONVENTIONS



This symbol indicates that special attention should be paid in order to ensure correct use as well as to avoid danger, incorrect application of product, or potential for unexpected results



This symbol indicates important directions, notes, or other useful information for the proper use of the products and software described herein.

IMPORTANT USER INFORMATION

ConveyLinx ERSC modules contain ESD (Electrostatic Discharge) sensitive parts and components. Static control precautions are required when installing, testing, servicing or replacing these modules. Component damage may result if ESD control procedures are not followed. If you are not familiar with static control procedures, reference any applicable ESD protection handbook. Basic guidelines are:



- Touch a grounded object to discharge potential static
- Wear an approved grounding wrist strap
- Do not touch connectors or pins on component boards
- Do not touch circuit components inside the equipment
- Use a static-safe workstation, if available
- Store the equipment in appropriate static-safe packaging when not in use



Because of the variety of uses for the products described in this publication, those responsible for the application and use of this control equipment must satisfy themselves that all necessary steps have been taken to assure that each application and use meets all performance and safety requirements, including any applicable laws, regulations, codes, and standards



The illustrations, charts, sample programs and layout examples shown in this guide are intended solely for purposes of example. Since there are many variables and requirements associated with any particular installation, Insight Automation Inc. does not assume responsibility or liability (to include intellectual property liability) for actual use based on the examples shown in this publication



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BACKUP CONVERTER

SUMMARY OF CHANGES

The following table summarizes the changes and updates made to this document since the last revision

Revision	Date	Change / Update
1.0	April 2014	Initial Release
1.1	January 2016	Formatting change and added patent information

GLOBAL CONTACT INFORMATION



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CONVEYLINX

BACKUP CONVERTER

CONVEYLINX BACKUP CONVERTER QUICK GUIDE

It is always recommended for users to generate a *Backup File* of their system using *EasyRoll* software tool. However, the *Back File* that gets generated is in a non-human readable binary form. The *ConveyLinx Backup Converter* is a software tool that allows you to generate an easy to read Excel spread sheet displaying the data included in the binary *Backup File* created from *EasyRoll*. The produced Excel spreadsheet creates a sheet tab for each subnet encountered in the *Backup File*. Each sheet tab then shows a columnar display of settings and data for each individual module within the given sheet tab's sub net.



This manual is intended for users who have a working knowledge of the EasyRoll software tool and know how to create a Backup file.



ConveyLinx Backup Converter requires Micorsoft Excel 2007 or later installed on your PC.

INSTALLATION

Installation is from a typical Windows "Setup" executable file provided to you for download from pulseroller.com. After setup, you will have a desktop icon to access the application.

CREATING THE CONVEYLINX BACKUP EXCEL FILE

	Convey	Linx Backup Converter ver.1.15	, – –	- ×
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select the backup file previously			(.backup file)	wert
created with EasyRoll and saved	Save (xls file):		Save (via file)	TON
on your PC by clicking the "Open"			(xis tile)	
button 1.				
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Clicking the "Open" button opens	🗑 Recycle Bin	Name	Date modified	Туре
a file dialog. Navigate to the	All Eds's	EasyRoll.backup	10/22/2015 6:46 PM	BACKUP File
location where your backup file is	ConveyLogix_V2_01			
stored on your PC select it and	Documentation_Tool_V1_16			
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then click the "Open" button 💋.	manualsGraphics MyBackups			
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	File name: EasyRoll.backup		✓ backup files (*.backup)	~
			2 Open C	Cancel

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CONVEYLINX

After selecting your backup file, a suggested filename and location for the .xlsx file is automatically generated. To save this file and/or change its filename and location, click the "Save" button 3

Once you have optionally changed the filename and/or location to save the .xlsx file to be created, click the "Save" button 4 to return back to the main dialog window.

At this point, you are ready to generate the .xlsx file. Click the "Convert" button 5 to initiate the process. Please note this may take a few seconds.

ConveyLinx Backup Converter ver.1.15 Open (.backup file) Open (.backup file): C:\Users\James\Desktop\MyBackups\EasyRoll.backup Convert Save (xls file) Save (xls file): C:\Users\James\Desktop\MyBackups\ConveyLinxDocument.xlsx

ConveyLinx Backup Converter requires Microsoft Office Excel installation (2007 or higher)

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Open (.backup file):	C:\Users\James\Desktop\MyBackups\EasyRoll.backup	Open (.backup file)	Сорус	ert					
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		24%							
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BACKUP CONVERTER

BACKUP CONVERTER

WORKING WITH THE GENERATED EXCEL FILE

Using Excel, open the file you created. Parameter and setting descriptions run top to bottom in columns A and B. Each module is shown in subsequent columns. You can scroll through the columns from left to right to view specific settings for each module.

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10	○ ● 員 2 ● 母 2 ○ 2 2 3 3 2 3 2 4 3 2 4 9 · · · · · · · · · · · · · · · · · ·												
	A1 • & CARD DATA												
	A	8	c	D	E	P P	0	н	1	J	К	L	0
1		NETWORK P	192.16	8.232.20	192.16	8.232.21	192.16	3 232 22	192.16	3 232 23	192.16	1.232.24	
1	CARD DATA	SFRM. N.MYR	10	1026	10	2 1100	96067		103098		10	3	
4		FRMWARE VERSION	46	,21	46	,21	46	,21	46	,21	41	,21	
5		HARDWARE VERSION	100000000000000000000000000000000000000	2	100000000000000000000000000000000000000	2	100000000000000000000000000000000000000		1.000 1000 1000	2	100770001114	2	
5		SDE 704 MCOE	UPSTREAM	DOWINSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	
8	ZPA MODE	GAP TMER (SEC)	0		0	0	0		0		0	0	
9		T-ZONE ACCEPT (SEC)	0		0	0	0		0		0	0	
10		JAM EPIKOR COUNTER	2		0	0	0		0		6	5	
12		DVN REL CONTROL											
13	SETTINGS	DISABLE ARR JAM RESET TIMER											
14		DISABLE SENSOR JAM RESET DELAY											
12		MOTOR HAND	1	8		8	1	8		8	1	8	
17		MOTOR TYPE	Pulse 28W		Pulse 28W	Pulse 28W	ITOH			Pulse 28W	Pulse 28W	Pulse 28W	
18		BRAKE METHOD	Brake		Broke	Erake	Broke			Brake	Broke	Brake	
19	MOTORS	CLOSED LOOP			. 80		. 80			. 80			
21	monorea	OW/COW	cow		cow	cow	OW			cow	ÖW	ÖŴ	
22		ACCB.	0.03 sec		0.03 sec	0.03 sec	0.03 sec			0.03 sec	0.03 sec	0.03 sec	
23		DECEL MOTOR ERECE COLMTER	0.03 sec		0.00 sec	0.00 sec	0.00 sec			0.00 sec	0.00 sec	0.00 sec	- 1
25		SDE	LESTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	LIPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	LIPSTREAM	DOWNSTREAM	
26		SECOND SPEED	4	4		4	4	4	4	4	4	4	
27		SECOND SPEED %	70	70	70	70	70	70	70	70	70	70	
20	TMNO	FAST RELEASE FAST RELEASE (SEC)											
30		JAM TMER (SEC)	5	5	ŝ	5	5	5	5	5	5	5	
31		AUTO CLEAR TIMER (SEC)	5	5	5	5	5	5	5	5	5	5	
32		NUN AFTER TIMER	0.40 sec	0.40 Sec	0.40 sec	0.40 Sec	0.40 Sec	0.40 Sec	0.40 Sec	0.40 sec	0.40 Sec	0.40 sec	-
34			UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	u
35		NODE#	11	2	1	3	2	4	3	5	4	6	
36		P ADDRESS R C CONTROLLED	192.168.232.30	192.168.232.21	192.168.232.20	192.168.232.22	192.168.232.21	192.168.232.23	192.168.232.22	192.168.232.24	192.168.232.23	192.168.232.25	192
38	CONNECTIONS	ON PLC DISCONNECTED											
39		GLEAR CONNECTIONS											
40		HARDWARE CONTROLLED											
42		HAND	L	R	L	R	L	R	L	R	L	R	
43	SENSORS	SENSOR	OFF BLOCKED	ON BLOCKED	OFF BLOCKED	OFF BLOOKED	OFF BLOCKED	ON BLOCKED	ON BLOOKED	OFF BLOOKED	OFF BLOCKED	OFF BLOCKED	OFF
44		SENSOR ERROR	OFF ERROR	ONERROR	OFF ERROR	OFF ERROR	OFF ERROR	ON ERROR	ONERROR	OFF ERROR	OFF ERROR	OFF ERROR	0
45	Piex Zone	ENABLED / DISABLED	ENA	R	CIA	R	ENA	R	ENA	R	ENA	P	
47		INVERT ACOUM											
48		INVERTINE/DISCH			1.1	100 A		100 A				100 A	
49	HWCONN CONFIG	OUTPUT HOW CONFIG											
51	1	ON ZONE HOW PORT PLC CONT											
52		LANE FULL INT											
53		BLOCK TIME (SEC)											
55		HAND	L	R	L	R	L	Ř	L	R	L	8	
58	6.900	E-STOP											
57		CtriPort E-Stop											_
59		Served E-Start											-
H	+ H 192,160.2	26.0 / 192.168.231.0 \ 192.168.3	232.0/				41						3
Rea	dy	A PARTICIPATION AND A PART					1.00					NUM	

Note that each subnet is grouped in its own sheet tab as shown in Figure 1:

53		BLOCK TIME (SEC)	-						
54		CLEAR TIME (SEC)	-						
55		HAND	L						
56	E Ston	E-STOP	-						
57	L-Stop	Ctrl Port E-Stop	-						
58		Ctrl Port E-Start	-						
59									
IV II 192.168.226.0 / 192.168.231.0 \192.168.232.0									
Rear	Ready								

FIGURE 1 - SUBNET SHEET TABS

BACKUP CONVERTER

Figure 2 shows some example data and markings. For ZPA modules that are single zone, the "Upstream" heading shows the data and the downstream heading items are grayed out 1. Similarly, when the Left or Right motor is not being used, those items are grayed out as well 2. For checkbox items in EasyRoll, if the item is checked it appears as a checkmark 3 and if the item is unchecked it appears as a dash 4.

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	A1 👻 🏂 CARD DATA								
	A	B	С	D	E	F	G	Н	
1		NETWORK IP	192.168	.232.20	192.168	3.232.21	192.168	3.232.22	
2		NODE				2	:	3	
3	CARD DATA	SERIAL NUMBER	103	086	103	100	99:	267	
4		FIRM/VARE VERSION	46	21	46	,21	46	,21	
5	ļ	HARDWARE VERSION		2		2		1	
6	j	SIDE	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWINSTREAM	
7		ZPA MODE	Train		Train	Train	Train		
8	ZPA MODE	GAP TIMER (SEC)	0	1	0	0	0	4	
9		T-ZONE ACCEPT (SEC)	0		0	0	0	-	
10		JAM ERROR COUNTER	2		0	0	0		
11		DYN REL TERM	-		-	-	-		
12		DYN REL CONTROL	-		-	-	-		
13	SETTINGS	DISABLE ARR JAM RESET TIMER	-		- (4)	-	-		
14		DISABLE SENSOR JAM RESET DELAY	-		-	-	-		
15		DISABLE SENSOR JAM AUTO CLEAR	-		-	-	-		
16		MOTOR HAND	L	R	L	R	L	R	
17		MOTOR TYPE	Pulse 28W		Pulse 28W	Pulse 28W	ITOH		
18		BRAKE METHOD	Brake		Brake	Brake	Brake		
19		CLOSED LOOP	-		-	-	-		
20	MOTORS	SPEED %	80	(2)	80	80	80	(2)	
21		CW / CCW	COM		COW	COW	CW .		
22		ACCEL	0.03 sec		0.03 sec	0.03 sec	0.03 sec		
23		DECEL	0.03 sec		0.00 sec	0.00 sec	0.00 sec		
24		MOTOR ERROR COUNTER	1		1	1	1		
25		SIDE	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	UPSTREAM	DOWNSTREAM	
26		SECOND SPEED	3 🗸	ন	4	4	4	4	
27		SECOND SPEED %	70	70	70	70	70	70	

FIGURE 2 - EXAMPLE MODULE DATA