

SC4 Firmware Update Procedure

- 1. Open WinSCP. You can obtain WinSCP from <u>https://winscp.net/eng/download.php</u> and clicking on the download link for the "Installation Package".
- 2. When first run a Login dialog will come up, close this dialog to get to the main WinSCP dialog. In the menu at the top click on Options / Preferences.

🔒 WinSCP								
Local Mark Files Commands Session Options Remote Help								
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🚅 New Session		Local Panel	۲					
		Remote Panel	•					
	~	Sessions Tabs						
		Command Line Shift+Ctrl+N	1					
C:\temp\	~	Status Bar		<u>^</u>				
Name		Queue	•	Size				
	<u>نې</u>	Preferences Ctrl+Alt+F	þ					

3. On the left side, click on Transfer, make sure Default is highlighted on the right, and click on Edit.

Preferences		?	×
Environment Interface	Transfer settings presets		
Window	Preset description	Auto	
Commander	Default		
Explorer	Text	No	
Eanguages	Binary	No	
File colors	New and updated files only	No	
Remote	Exclude directories	No	
Local	a	Yes	
Editors			
Internal editor Transfer Drag & Drop Background Endurance Network Security Logging Integration Applications	Transfer type: Binary; Do not preserve timestamp Add Edit	<u>U</u> p	
Commands			
Storage	Remove Duplicate	<u>D</u> own	
opuates	☐ <u>A</u> nnounce when transfer settings preset is autoselected		
	OK Cancel	Help	



4. Uncheck Preserve Timestamp, click OK, then click OK again at the Preferences dialog.

Transfer mode	Filename modification			
◯ <u>T</u> ext (plain text, html, scripts,)	O No change			
<u>B</u> inary (archives, doc,)	◯ <u>U</u> pper case			
Automatic	◯ Lo <u>w</u> er case			
Transfer following files in text mode:	O Lower case 8.3			
*.*html; *.htm; *.bd; *.php; *.php3; *.o	✓ Rep <u>l</u> ace '\:*?'			
Upload options	tions			
Set pe <u>r</u> missions:	ve timestamp			
rw-rr (+x) Incl	luding directories			
☐ Ignore permission errors	ate total size			
Clear 'Archive' attribute Speed (KB,	I/s): Unlimited ~			
Remove BOM and EOF marks	ptions			
Encrypt new files	ve rea <u>d</u> -only			
Other				
File <u>m</u> ask:				
	✓ <u>E</u> dit			
mask hints				
<u>New and updated files only</u> Exclude hidden files				
Exclude empty directories				
ОК	Cancel Help			

5. Click on the New Session tab.

WinSCP	
Local Mark Files Commands Session Options Remote Help	
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Vew Session	
🐂 C: OS 🔹 🚰 🕶 🐨 🔹 🖛 🖛 🔹 💼 😨 👘 🖉 👘 🐨 🐨 🖛	⇒ - E
🛙 🕼 Upload 👻 📝 Edit 👻 💢 🕼 Properties 🖆 New 🕶 🗐 🕂 👻 📲 💭 Download 👻 📝 Edit 🤜	×DR
C:\temp\	



- 6. Change the file protocol to SCP.
- 7. Enter the IP address of the SC4 controller in the Host Name field.
- 8. Port number should default to 22.
- 9. Enter <u>pbtuser</u> (all lower case) in the User name field.
- 10. Enter <u>pbtpassword</u> (all lower case) in the Password field.
- 11. Click the login button.

🔒 Login	- 🗆 X
New Site	Session File protocol: SCP Host name: Port number: 192.168.0.140 User name: Password: pbtuser Save Advanced V
Tools	Close Help



- 12. On the left-hand side of the screen (your computer), locate the upgrade folder named "admin" for the SC4 controller.
- 13. Drag the admin folder from the left side (your computer) and drop it into the empty area below the folders on the right side (SC4).





14. When prompted if you would like to "Overwrite remote file XXXXX" use the drop down and select "YES TO ALL". You can check off the box labeled "Never ask me again" in this prompt. If you do this, WinSCP will not show this prompt in the future which may be useful if you have to upgrade multiple SC4 controllers.

Confirm		?	×			
?	Overwrite remote file 'auto_usb_mount'? Destination directory already contains file 'auto_usb_mount'. Choose, if you want to overwrite the file or skip this transfer and keep existing file. New: 3,539 bytes, 6/16/2021 12:00:00 AM Existing: 3,539 bytes, 9/20/2022 11:26 AM					
Neve	er ask me again Yes Vo Cancel	Help				
	Yes to All Shift					
	Newer only Ctrl					

15. It will take a few minutes to upload the files. Total size of all files is approx. 25 MB.

68% Up	loading				? ×	
	File: Target:	C:\\build /	d\assets\img	g\header_image\	bundle.js	
	Time left:		0:00:05	Time elapsed:	1:48:2	29
	Bytes trans	sferred:	11.7 MB	Speed:	1.02 MB/	/s
	× 🖡	_ 🗟 🗸	🗸 🔊 Un	limited 🔹		

- 16. Once the upload is complete, the box will disappear. You now need to reboot the SC4.
- 17. Use PuTTY to log into the SC4. You can obtain PuTTY from https://www.putty.org/



18. Type the IP Address into the Host Name box, and make sure SSH is selected (this will force the port to 22) and click Open.

🕵 PuTTY Configuration	? ×
Category:	
Category: Session Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Colours Connection Data Proxy Telnet Rlogin SeH Serial	Basic options for your PuTTY session Specify the destination you want to connect to Host Name (or IP address) 192.168.0.140 22 Connection type: Raw Ielnet Rlogin SSH Saved Sessions Load Save Question Load Save Close window on exit: Always Never Only on clean exit
About Help	<u>Open</u> <u>Cancel</u>



19. A blank PuTTY window will open, you may need to wait for the PuTTY Security Alert dialog and click Yes. If PuTTY displays a login prompt skip to the next step.

PuTTY Security Alert × Image: Security Alert ×	🛃 192.168.0.140 - PuTTY	-		×
Yes No	PuTTY Sec	curity Alert The first key-exchange algorithm supported by the server is diffie-hellman-group1-sha1, which is below the configured warning threshold. Do you want to continue with this connection?	×	
		<u>Y</u> es <u>N</u> o		

20. Enter the username pbtuser (all lowercase) and password pbtpassword (all lowercase). Once successfully logged in type in ./sc4config to enter the menu system.





21. When the menu comes up, select 94 to reboot the system, then type y to verify.



- 22. The SC4 will reboot and you will lose the PuTTY connection.
- 23. Verify the SC4 has the new firmware by typing in the IP Address into a web browser and scrolling down in the Site Properties.

