

RM-17 Transfer Configuration Between Handhelds

Warning: Please ensure that all test results have been backed up from the devices before proceeding!

1

Older Handhelds: Using a RM-PCA Computer Interface Adapter, attach the "Printer PCA" Port to a Serial Connection (or Serial to USB) on the computer. Ensure that the Computer Interface Adapter has a good 9V battery installed and is in the "On" position.



Newer Handhelds: Use the Serial Port on the handheld to connect to a Serial Connection (or Serial to USB) on the computer.

2

Put the Handheld in PCA/RS232 Mode by Pressing the "On" Button -> Pressing 4 (Preferences) -> Pressing 1 (PCA-Mode/RS232 Mode). Leave that screen open for the duration of this process.

3

1

On the computer, open "Device Manager" and ensure that a new device shows under "Ports (COM & LPT). In this example, it shows as COM3.



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Open the PCA-Link Software. The newest version should be v2.40 and that can be found under Help -> About. If your software is not up to date, a link to the update can be found below: http://www.radianresearch.com/upgrade/PCALink2_40.zip

5

Once in the PCA-Link software, navigate to Tools -> Options. Ensure that the "Select Com Ports" match what was found in Device Manager on Step 3. Also ensure that the RM-PCA Cable Types matches the hardware of the handheld. In this example, Rev 2 cables are used and that is confirmed by the picture in Step 1.

Options			? ×
Result Display	Save results to:	Select Com Ports	or 1
* % Registration	☐ Text files ☑ Database	Com 1	Cancel
Watthours	Prefix serial number with first character of vendor code.	Com 4	Help
Result Digits	RM-PCA cable types	Com 6	
⇒ 2 ◆ 3	 Rev 1 cables Rev 2 cables (blue ring) RM-17 RS-232 	Com 7	

6

Press "OK" and then press "F5: Online." The device should populate in the new window as shown. Please note: If no device populates, there may be a connection problem between the handheld and the computer. To troubleshoot, replace the battery on the handheld and try again. Next, try replacing the battery in the RM-PCA Computer Interface Adapter, power cycle the adapter, then try connecting again.

If problems persist, contact Radian Technical Support at 765-449-5576.



Edit Tools V	Window Help	Ed Edd Toot			
Run Test Pa C	crease rest	F4 Edit Test	ro Online ro Results		
			1 Online		
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			Calcul Care Data	Charles to be been	
			Select Com Ports	Click on the device to open	
			Select Com Ports	Click on the device to open	
			Select Com Ports	Click on the device to open Close	
			Select Com Ports	Click on the device to open Close Refresh	
			Select Com Ports Com 1 Com 2 Com 3 Com 4 Com 5	Click on the device to open Close Refresh	
			Select Com Ports Com 1 Com 2 Com 3 Com 4 Com 5 Com 6	Click on the device to open Close Refresh Help	
			Select Com Ports Com 1 Com 2 Com 3 Com 4 Com 6 Com 6 Com 7	Click on the device to open Close Refresh Help	
			Select Com Ports Com 1 Com 2 Com 3 Com 4 Com 5 Com 5 Com 6 Com 7 Com 8	Click on the device to open Close Refresh Help	

7

Click on the Device under "Online Devices Found" and a new window will appear.

Online]	
RM-17-01 Radian Research S/N-128928	Device Name Radan Research Senial Number 129938 Firmware Version 3.05.00 Manufacture 2012/11/21	Socket Adapter Test Setups Preferences Questions Menus AutoCal Form 1S Name Test Pulses per Rex. 1 Form 2S Form 2S Deep Minutes 0
Select Con Ports Con 1 Con 2 Con 2 Con 3 Con 5 Heb	Core Help	Form 12S Kbi 0.00001 Test Average 123 FE 10 1 4 Test FE 10 1 4 6 ILL 10 1 1 7 Demand 10 0 10
Com 6 Com 7 Com 8 Com User		

8

Edit the Test Setups and Custom Questions as desired to transfer to the other handhelds. An additional guide for creating custom questions can be found at the link below: http://www.radianresearch.com/upgrade/RM17CustomQuestions.pdf

9

Once this has been completed, select File -> Save As. It should attempt to save the configuration as a RM-17 Configuration File as shown below. In this example, the configuration file is named "Test." Press "OK" to Save the configuration.



Device Nam	Save As				^	Menus ,
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Imware Versio	test_r17	~	(→ c:\	~ -	Cancel	8 1
Manufactur			Program Files (x86)			s: 0
Comment			🗁 Radian			Average
			PCA Link			s Weight
			Uata	~		4
	1	~	,			0
Close	Save file as type:		Drives:			
	RM-17 Config. files (*.	R 💌	C: Windows	•	Network	1
		_		eman	J 1.0 0	7

10

To Save the changes made for this device, press the "X" button on the Device window -> select "Yes" -> Select "OK." It will prompt you when the Data is Saved.

Device Name	Radian <mark>Re</mark> :	earch	Socket	Adapter	Preferen	ices	M	enus
Serial Number	12 Ur	saved char	nges			×	AUU	ocai
Firmware Version	3.0	-				ulses p	er Rev:	1
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Comment:						Test Amps	Revs	Average Weight
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Disconnect the existing RM-17 Handheld and connect a new handheld using the procedure from steps 1 - 7.

12

Once the new device window is open, navigate to File -> Open. Ensure that "RM-17 Config. Files" is selected under "List files of type:". Select the file name that you created earlier and press "OK".



13

Once the Configuration File window is open, navigate to File -> Transfer. Select "OK" and "OK" and a window should appear saying "Data Saved" when complete.

14

As before, close out of the device window using the "X" button and save if prompted.

15

The configuration from the first RM-17 Handheld should now be on the second RM-17 handheld. This can be verified by looking at the test setups on each handheld and verifying that they are the same.

If you would like to repeat this process over multiple RM-17's, you will simply need to repeat steps 11 - 15. If you have any additional questions/concerns about this, contact Radian Technical Support at 765-449-5576 or <u>technicalsupport@radianresearch.com</u>

Limited resources or need a solution quickly?

If you need additional information about your project just contact us, we are here to help. We can support you at any level from telephone support, or on-site solutions for a reasonable price. Contact us at <u>radian@radianresearch.com</u> or call 765-449-5500. Be assured that we want to be your partner in success!

