Bantam Plus/WE20 Automated Test Data Synchronization

- Required Equipment: Bantam Plus/WE20, Field Laptop, Shop PC
- Required Software: Winboard Embeded (Bantam Plus/WE20), WATT-Net (Provided with Bantam Plus/WE20)





The Radian Research Bantam Plus/WE20 has a unique integrated feature that makes it the ideal solution for field meter site testing. With little setup required, the Bantam Plus/WE20 can easily be configured to push test results back to your main office in an automated fashion. The only requirement outside of the provided software and hardware is that the local PC be connected to the internet with access to your company's local WATT-Net database. A simple VPN, LAN or WAN connection would resolve this requirement. The data is synchronized using the powerful WATT-Net Database Software and its ability to export results to an external WATT-Net Database using a Secure TCP/IP connection. Test Data can be synchronized automatically hourly, daily, weekly or at anytime with the click of a button.

Configuration

The following document provides details for configuration of WATT-Net and Bantam Plus/WE20 software for the automated synchronization.

Configuration instructions presume a new WATT-Net and Winboard Embedded install with default installation settings.

Step 1

Configure field PC WATT-Net Database to accept a TCP/IP connection.

• Open the WATT-Net Data Viewer software



• Right Click on the Station 1 and configure the Network Type to TCP/IP

Station 1 Properties	×
Network Records Model	
Station Network Properties	
Network Type: TCP/IP	
Network Status: Off-Line	
TCP/IP Address: 192.168.3.184	
Computer Name: LT04SALES	-
Advanced	
<u>O</u> K <u>C</u> ancel	

• Configure the Model type as WE-20

Station 1 Properties	×
Network Records Model	
Station Model Type	
Model#: VVE20	
Station Name: Station 1	
Comments:	
None	
QK Cancel	

Step 2

Set up Bantam Plus/WE20 to connect automatically to the field PC via Ethernet cable.

• Connect Ethernet cable to Bantam Plus/WE20 and Field PC

• Open the Main Menu tab



• Open the Administration Icon, Open the Options Icon, Select the Locate WATT-Net Button

V2 WATTHOUR-KJY8G0	
🛃 Options	- 2 🛛
Display Options ✓ Display Touchscreen Keyboard Color Scheme: Blue	Save
WATT-Net Network Options TCP/IP or Computer Name: 192.168.3.173 Last Auto. Export Date: 7/9/2013 9:04:38 AM	Locate WATT-Net
Path & FileNames	
Global Export Path: C:\wecoapps\we20	
Ex: MeterTestResults_September_ Meter FileName:	
Ready	

- Click Save in the top right corner.
- Close the Options Window, Close the Administration Window.
- Wait for the Network Icon to Appear in the top Right Corner



Once the Icon Appears, the Bantam Plus/WE20 has connected to the WATT-Net database on the field PC.

• After connection, the Bantam Plus/WE20 will transfer test results automatically



• When Complete, the Bantam Plus/WE20 will indicate how many records have been transferred

Each test is Date and Time stamped. Only data save since the last export will transfer to the main database.



Step 3

Configure the shop PC WATT-Net Database to accept a TCP/IP connection.

• Open the WATT-Net Data Viewer software



• Right Click on the Station 1 and configure the Network Type to TCP/IP

Station 1 Properties	
Network Records Model	
Station Network Properties	
Network Type: TCP/IP	
Network Status: Off-Line	
TCP/IP Address: 192.168.3.184	-
Computer Name: LT04SALES	-
Avanced	
QK Cance	el

• Configure the Model type as WE-20

Station 1 Properties	×
Network Records Model	
Station Model Type	
Model#: VVE20	
Station Name: Station 1	
Comments:	
None	
<u>Q</u> K <u>Cancel</u>	

Step 4

Configure the field PC results for automatic transfer to a shop PC via TCP/IP.

It is necessary that the Bantam Plus/WE20, field PC WATT-Net and shop PC WATT-Net be configured so that the export settings match or the database will not transfer correctly. In this example we are using the default installation with default settings. No changes were required.

 Open export settings. Check the Export to IP Address box. Complete the IP Address for the Shop PC WATT-Net.

Wattant Datinit Data								_
Char Char Names	Filename					Annend?	Format?	
						No V	NISC IMUE	
Second Export File Nam	e						DEFAULT	
Export to Serial Port	-						DEFAULT	-
Export to IP Address: 192168	3 173 Test Connection N	ote: a "I	Host" or "	Compu	ter Name" name can be entered	l instead of	an IP addres	s
Export using the WATT-Net lea	ding character							
Customer Format: DEFAULT	-							
Customer Format JDEFNOLT	-				·			
		Exp						^
Col Name	Customer Report Text	Flag	Position	Width	Col Form	at		
meter_no	Meter No	Y	1	12	Left			
user_1	Serial No	Y	2	12	Left			
amr_id 🗾	AMR ID	Y	3	20	Left			
meter_mfr	Mfg	Y	4	2	Left			
meter_type	Meter Type	Y	5	7	Left			
form 🚬	Form	Y	6	2	Left			
base 💌	Base	Y	7	1	Left			
kh 👱	Kh	Y	8	5	Left			
volt 👱	Test Volts	Y	9	3	Left			
amp 💌	Test Amps	Y	10	3	Left			
user_2 💌	Test Code	Y	11	2	Left			
kwh_reading 🚬	As Found KWH	Y	12	5	Right Zero			
user_15	As Left KWH	Y	13	5	Right Zero			~

It is necessary that a location and file name be selected in the Filename Box at the top.

• Configure the field PC with an automatic Export using the Scheduler.

🚑 Task Scheduler	×
Auto Export	rt
Period	Daily
Start Time:	18:30
Day:	Monday
Every	04 hours
	Qk <u>Cancel H</u> elp

Configure the settings that best suit your field PC's access time to the shop PC's WATT-Net database.

• Manual Exports will also transfer data if the scheduler's timing is not conducive to your field PC's access to the shop PC's WATT-Net database.

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@</u> <u>radianresearch.com</u> or call 765-449-5500. Be assured that we want to be your partner in success!

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