DATEXEL LLC

How to sync the time on a Modbus Master with

Ethernet.

- 1. Connect Cat 5 crossover cable to the RJ45 connection which is next to the Power Supply on the DAT9000 and the PC.
- 2. Download the Dev9K version 1.8 from the Datexel download page.

Please note the Cat 5 cable must be a crossover cable, unless a router is being used.

- 1. Click the Tools tab.
- 2. On the drop down menu click Search.
- 1. The Search Devices box should open.
- 2. Click the Search label in the Search Devices box marked red.

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		%R0	-Reserved-	
		%R1	Firmware[0]	
		%R2	Firmware(1)	
		%R3	Name[0]	
		%R4	Name[1]	
		%R5	-Reserved-	
		%R6	Address	
1		%R7	-Reserved-	
		2R8	-Reserved-	

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- 1. In the Search Devices box it should say Search Complete.
- 2. Below Search Complete, it should say Ethernet, the Device name and the IP address.



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- 1. Right click the Device name and IP address.
- 2. Click Set as Controller.

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- 1. The Dev 9K software should now show connected and Com OK.
- 2. Click the yellow R button to see the register table inside the Modbus Controller.
- 3. You will be able to see the time in register 22,23,24.

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DAT9011-USB Update	Start Stop
Ethernet Comm Analog In Analog Out	Digital In Digital Out Trip
ress ID Modulo Nome Modulo 9101 9011 9	BTCC 21 ▼ March 2019 ▼ Image: Constraint of the section of the s
chDog	Sync PC Sync UTC
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- 1. Click the Tools Label.
- 2. On the drop down menu select the Config tab.

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		Config	
Connected	Release	Variables	C
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- 3/21/2019 8:54:09 AM		Scheduler	- 83
Disconnect [192.168.1.10(- 3/21/2019 8:54:09.AM		Tables	- 83
Connected [19	32.168.1.100]		

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- 1. When the Configure Device box opens.
- 2. Click either the Sync PC time or Sync UTC time.
- 3. Very important Click the pencil to write to the DAT9000.
- 4. Click the yellow R button to check the time in the register.

ts · Configure Devices	x
Address Type 10 DAT9011-USB Update Start Stop	
System Ethernet Comm Analog In Analog Out Digital In Digital Out Trip	
Prog RTCC Address ID Modulo Nome Modulo 10 9101 9011 Ora Min Sec	
Events WatchDog WatchDog En	
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Possible Communication errors.

- Suspend anti-virus protection as it can sometimes stop communication.
- Check you have used a Cat 5 cable, which is a crossover cable, unless you are using a router.
- The PC may be on a different subnet.
- Check the local IP address and make sure it is on the same network.