Big Ben GPS Time - Instruction Manual & Software Licence Agreement/End User Agreement.

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Congratulations on purchasing Big Ben GPS Time. It's a unique working replica of the Great Clock at Elizabeth Tower, London, with a photo realistic clock face that's computer animated in High Definition, with the actual chimes and toll bell sounds of Big Ben!

You now have the opportunity to use this unique software on a 30 day trial, and it's the only 'GPS Time Synced', Big Ben replica in the World.

Enjoy the views of Big Bens Clock Face (3 different views, Daytime, Night time, and Clock Tower).

(This view and others, can be viewed at 1024x768 resolution, with full chimes and toll bells)

If you want to run Big Ben without a GPS receiver connected, no problem, it works without one.

Big Ben GPS Time can safely update your Windows PC/Laptop/Tablet with the correct time, without being connected to the internet, by using a GPS receiver.

Big Ben GPS Time has an inbuilt GPS interpreter that can accurately decode the time of day information from orbiting GPS satellites. Industry tried and tested design. Relied upon daily to set the time on several major industrial sites in the UK, USA and China.

Installation Instructions

On opening the bigbengpstime.zip file, double click and find the Setup.exe file.

Double click on the Setup.exe file, and the installation program will begin.

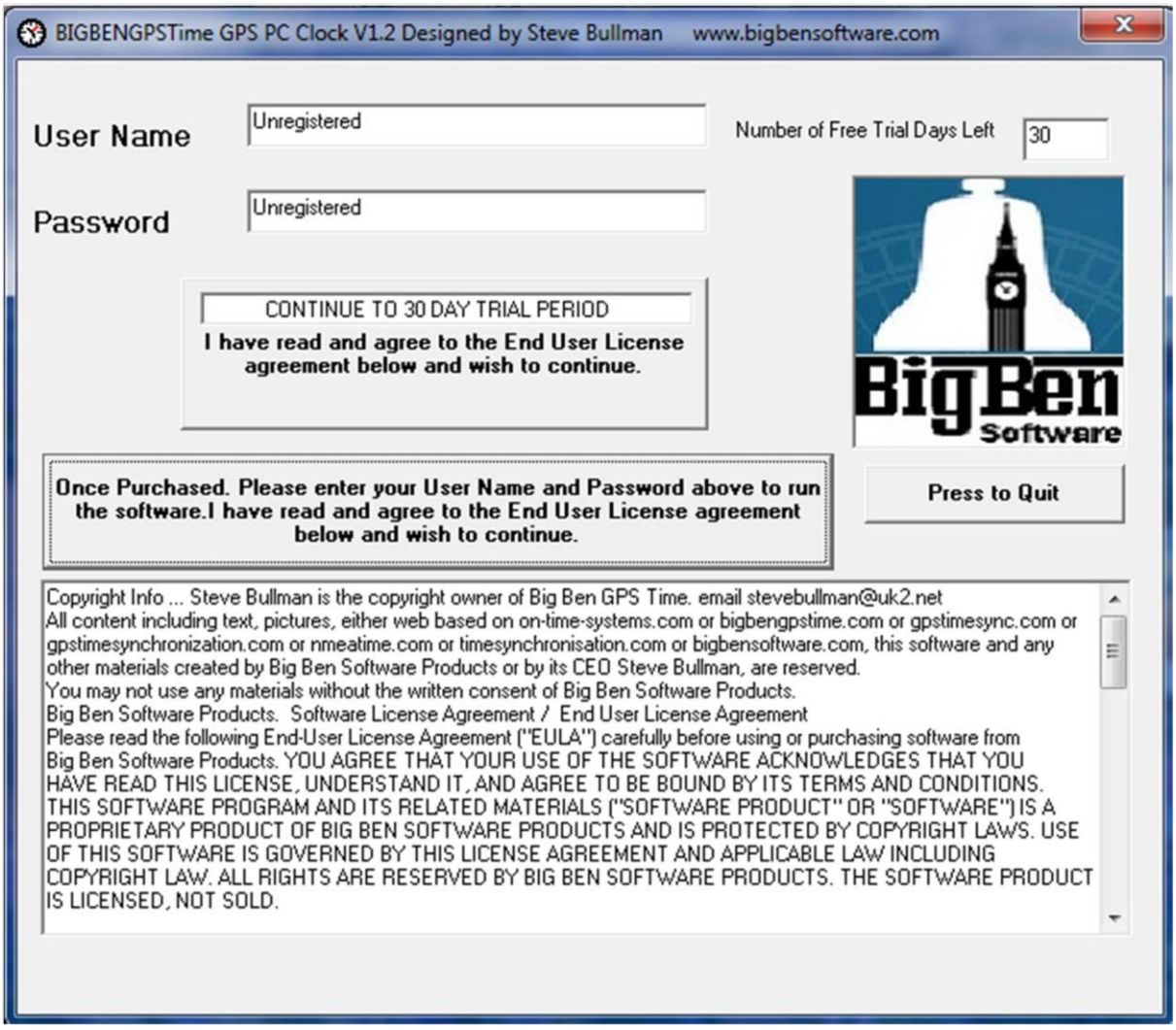
Depending how old your Windows operating system is, you may see a message pop up, asking if you want to keep existing system files, reply with 'Yes'.

During installation, the sound files for the chimes of Big Ben, and the necessary code is loaded. Once

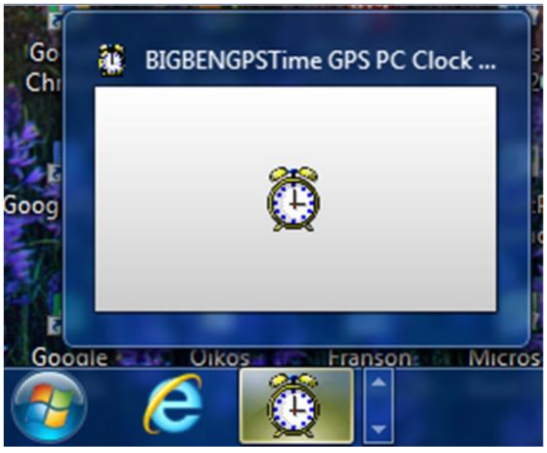
installed, the software will run for 30 days. When you purchase the software, please email

info@bigbensoftware.com for your unique password.

On first starting Big Ben GPS Time, the following popup will appear. If you want to continue, click the 30 day trail period option. If you have paid for the software via the Paypal site, then email info@bigbensoftware.com for the User Name and Password. This will give unlimited use of the software.



On first start up, the application will minimize and appear as an icon in the bottom left taskbar as shown below.



The minimize and maximize on Startup options are on the menu. Click once to set the options.

Main Screen



The drop down menu allows access to the Serial Port settings and the Big Ben Quite mode function, plus Startup options for auto start up of the application, and options for whether or not the application is minimized or maximized on first start up. Plus, you can also select which view of Big Ben you want on Startup.


BIGBENGPSTime GPS PC Clock V1.2 April 15th 2016 Designed by Steve Bullman www.bigbensoftware.com
EN English (United Kingdom)
File
Big Ben Quiet Mode 9pm to 9am
Startup after boot
Comm Port Baud Rate
Minimize on Startup
Maximize on Startup
Views
These also select the view on startup
No Optional View
Clock Tower
Daytime Clock Face
Night Time Clock Face
Seven Segment Display
London Eye Fireworks Airshow
GPS Sentence Diagnostics
Latitude DMS: 50 51 6.8886
Latitude DEC: N50.8519135
Satellite Date 230416
Satellite Time 020447.00
Satellites in use = 7
Satellites in view = 14
Quiet Mode On
$GPGLL,5051.11481,N,00100.69625,W,020447.00,A,A*7
Longtitude DMS: -1 0 41.775
Longtitude DEC: W-1.01160416666667
Altitude: 15.8
Timezone Offset 01:00:00
GPS Data ok GPS On
Local Time 03:04:48
GPS Local Time 03:04:47
baud rate 4800
Scanning Port #:
Scanning Port #:
Scanning Port #:
TimeSync Offset
Select Option
1
Mozilla Firefox
chktrust
PLC9
606 RA005 LT.WLTD...
4930M 201009_BA...
gary1
4930M_ma...



Create a shortcut to Big Ben GPS Time, and place it on your Desktop or use the Windows Start menu and browse to All Programs, Big Ben GPS Time. Double click on the Big Ben GPS Time shortcut.

If you are going to use a GPS receiver with Big Ben GPS Time, you must set the application to run as an administrator.

You must set the application to run as an Administrator to set the time on Windows. Right click on the Big Ben GPS Time icon once installed and run as administrator. This application can always run as an administrator by setting the user to have administrator rights.

Note: Windows 7, 8 & 10 allows you to mark an application so that it always runs with administrator privileges. This is useful for resolving compatibility issues with legacy applications that require administrator privileges. For instance, say you have an application written for Windows XP that requires administrator privileges. Because this program is configured to use standard mode by default under Windows 7, the program isn't running properly and is generating numerous errors. As a temporary solution, you can mark the application to always run as an administrator. This is also handy if, say, you have a UAC-compliant application that normally runs in standard mode but that you use to perform administration tasks.

To mark an application to always run as an administrator, do the following:
1. On the Start menu, locate the program that you want to always run as an administrator.
2. Right-click the application's shortcut, and then click Properties.
3. In the Properties dialog box, click the Compatibility tab.
4. Do one of the following:

   To apply the setting to the currently logged-on user, select the Run This Program as an Administrator check box, and then click OK.
   To apply the setting to all users on the computer and regardless of which shortcut is used to start the application, click Change Setting For All Users to display the Properties dialog box for the application's .exe file, select the Run This Program As An Administrator check box, and then click OK twice.

Next

Close the Big Ben GPS Time application, connect the GPS receiver to the USB or serial port as appropriate , start the application, and then click on the icon and set the baud rate of your GPS receiver (usually 4800 baud) from the drop down Com port baud rate menu.



Site your GPS receiver in a window or outside, in view of the GPS satellites, and wait a few seconds and the GPS data will start to decode, and after a minute or so, if the GPS antenna is in full view of at least 3 satellites, the ‘ Fix Obtained’ will appear on the display.

Every 2 minutes, the time will be updated on the PC/Laptop or Tablet.

There are three alternate views, all at 1024 x 768 resolutions to choose from.

GPS DATA SEVEN SEGMENT DISPLAY – used by industry and engineers



Big Ben Night Time – view of Big Ben clock face at night with hand movement, chimes and toll bells



Big Ben Day Time – view of Big Ben clock face at night with hand movement, chimes and toll bells.



Issues with Windows 10:-

The 'auto startup after boot option' of Big Ben GPS Time, fails to run the application on Windows 10. It works on XP and Windows 7. Windows 10 currently causes an issue due to Microsoft's new policy on not allowing programs to run at administrator level on start up.

Working Solution to this problem (24th July 2021):

This solution invokes a batch file from the startup folder that doesn't require admin rights... Not necessary in Windows XP or Windows 7.

To create a batch file in the startup folder...

I called it bbstart.bat... you can call it anything you like.

Remove the bigbengpstime.exe file from the startup

Open notepad and type this in;

@echo off cd "C:\Program Files (x86)\BIGBENGPSTime" start

bigbengpstime.exe exit save the file as 'all files not a text file' give

it the name bbstart.bat copy the bat file to windows startup path

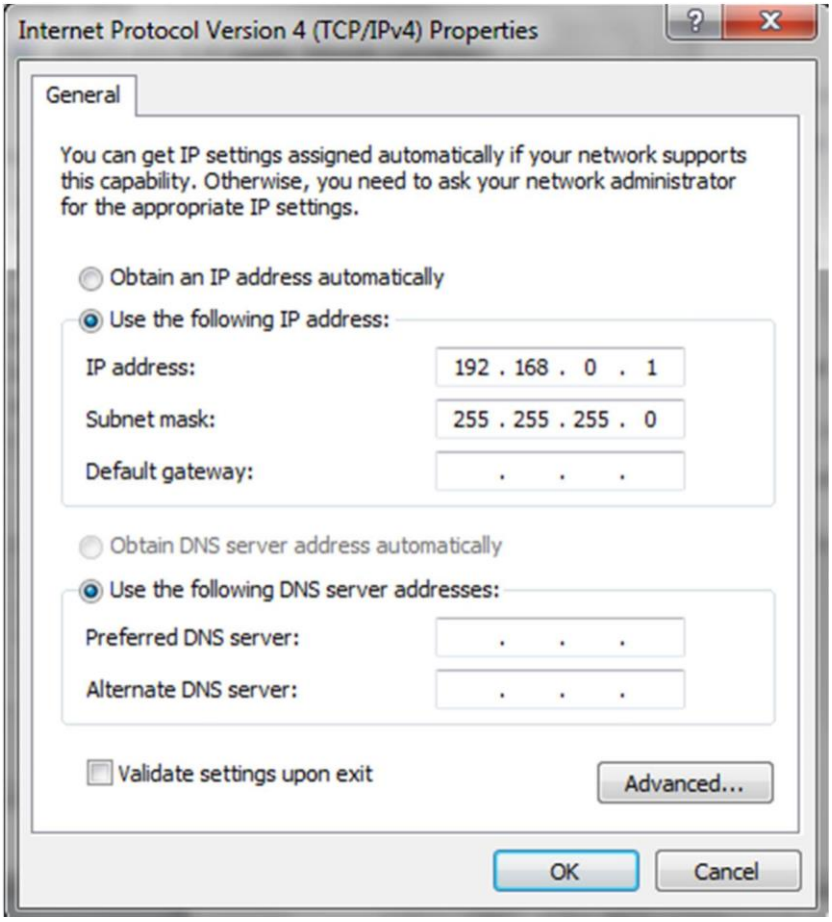
below;

%AppData%\Microsoft\Windows\Start Menu\Programs\Startup

reboot the computer.

How to synchronize the time with several computers on a Network

First, let's assign your computer that is running the Big Ben GPS Time Software, a fixed IP Address.

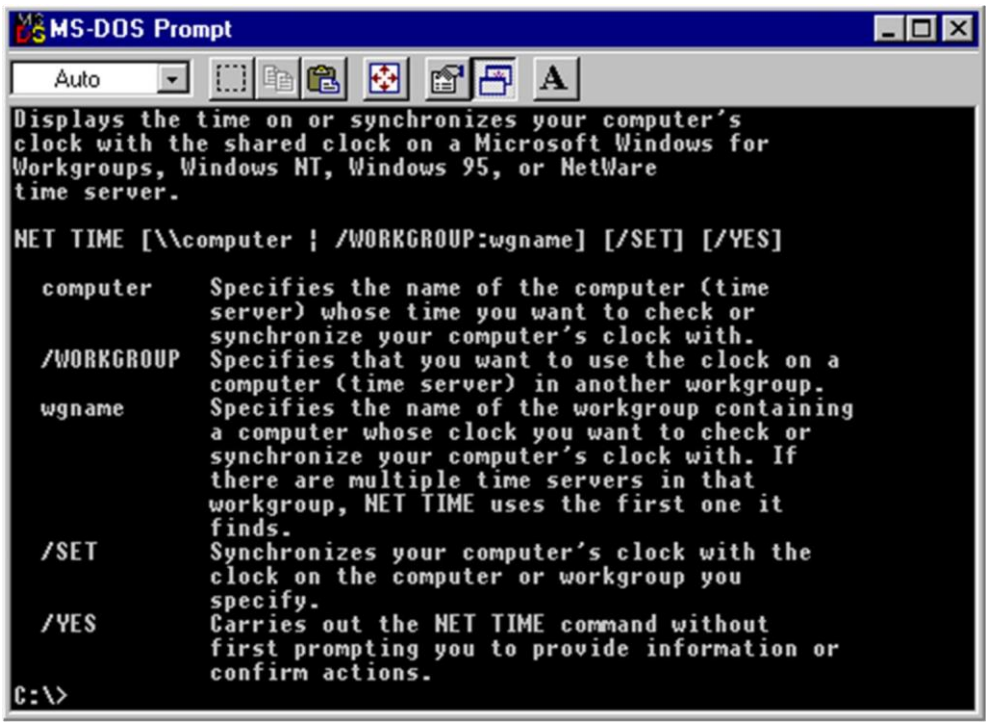


The other computers on the Local Area Network should all have a fixed IP address assigned by your Network Administrator. Make the local computer that's running the Big Ben GPS Time in the same IP range, and assign it a computer name for example BIGBENTIME.

Also make your computer discoverable on the Network.

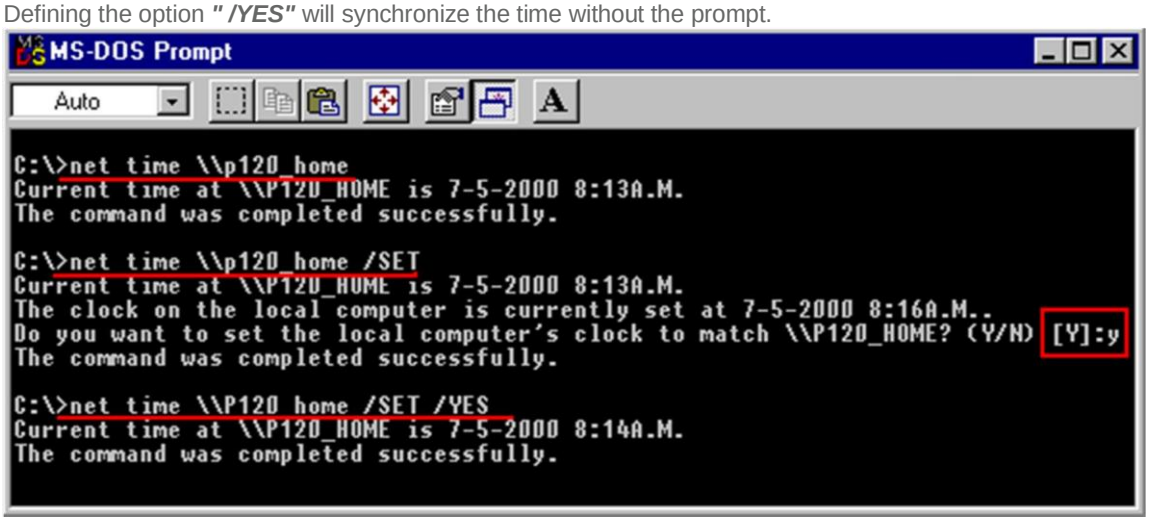
Next from another computer on the Local Area Network:

Windows provides an easy method to keep the system clocks synchronized using the option "***TIME***" of the ***NET***-command *(to display the syntax of this command, open a Command-windows ["DOS-box"] and type: NET TIME /?):*



You use the "NET TIME" command in a Command-window (*"DOS-box"*) or in a BATCH-file:

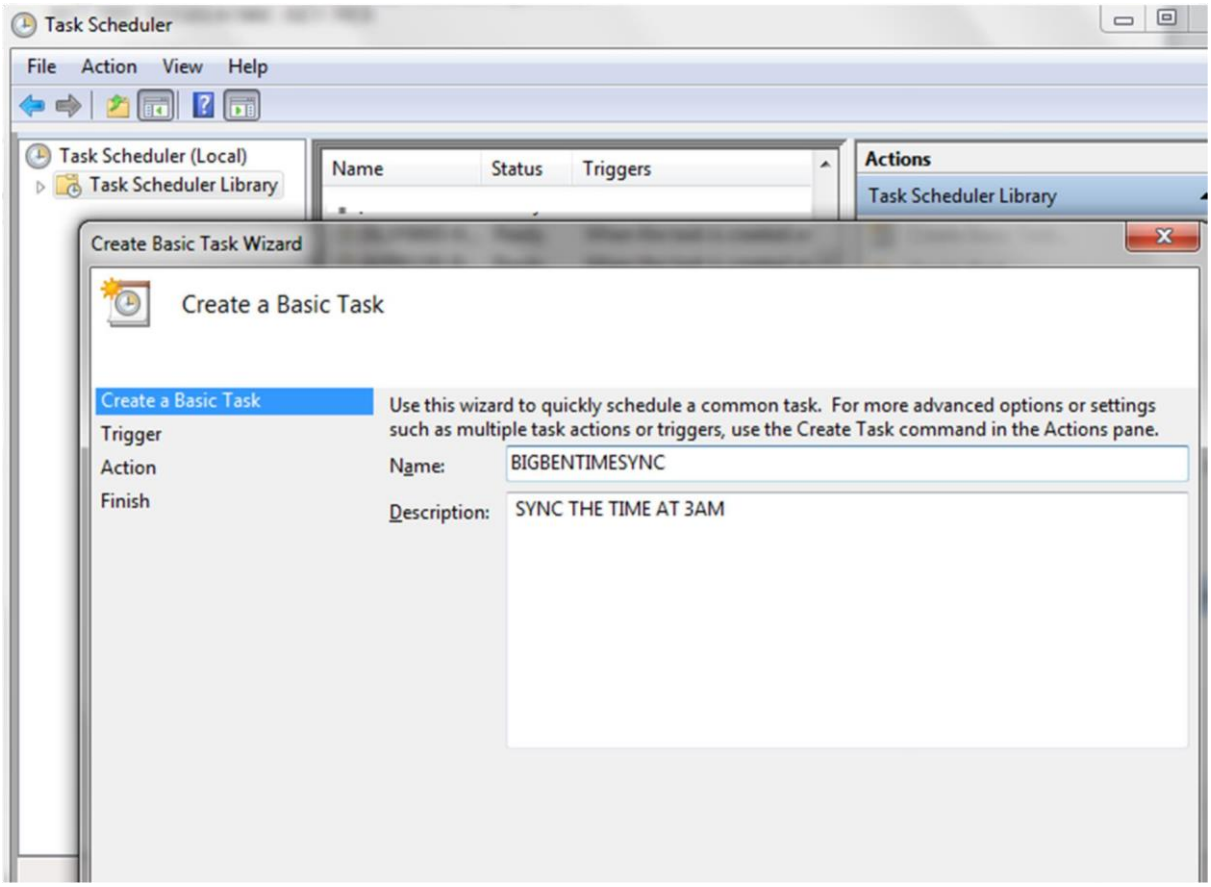
In the most basic format, NET TIME displays just the Date/Time of the system clock of the specified computer. The option ***" /SET"*** stores this Date/Time info to your local system-clock (***"Synchronizes the time"***), still prompting you to confirm this adjustment. Defining the option ***" /YES"*** will synchronize the time without the prompt.



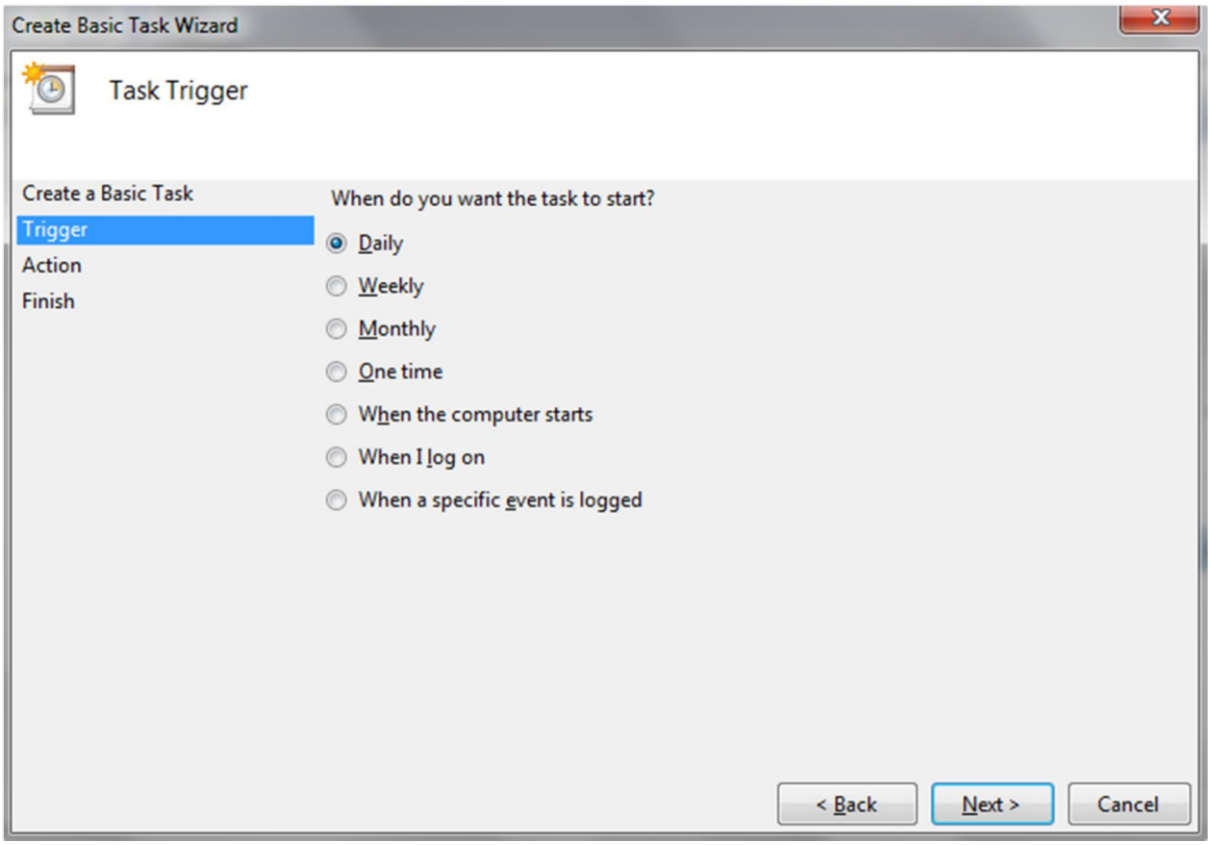
In a workgroup-network *("peer-to-peer" without an NT-server)* : To automate this synchronization, use NOTEPAD to create a BATCH-file *(I stored / named the file "C:\TIMESYNC.bat")* containing the line:
NET TIME \\BIGBENTIME /SET /YES

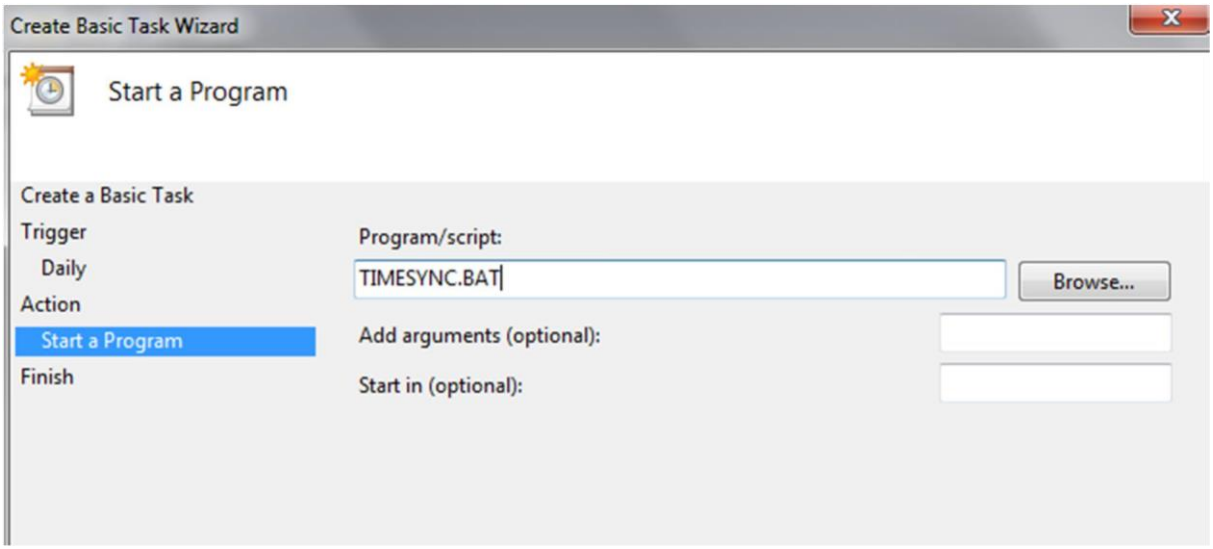
To make sure the servers and clients on the Local Area Network, are synchronized daily to the BIGBENTIME computer, follow the steps below:-

In Windows Accessories, find System Tools, Task Scheduler,



Right click on Task Scheduler, then copy the text above.





Set this to happen daily at 3am.

For any technical assistance, please email info@bigbensoftware.com

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