



ACH50
Flow (cfm)
Fan Pressure (Pa)
DG1000 - 3007008 Ch B
Bldg Pressure (Pa)
DG1000 - 3007008 Ch A
Bldg Baseline (Pa)
Completed Tests
Samples

Edit Environmental Data Start Test

Pause Cruise

5 6 7 8 9 10 20
Building Pressure (Pa)
Idle - Monitoring

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to Test Settings

CONNECTING A SINGLE DG-1000 QUICK GUIDE

Based on software version 1.2.0 (12)

Wired connection options

Micro USB

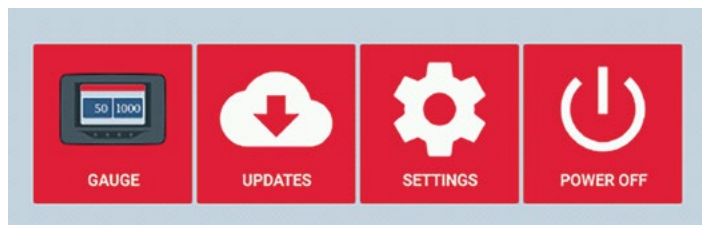


The micro USB port on the DG-1000 can be used to create a wired two-way communication link between the gauge and a Windows computer. Use of the micro USB port requires you to first download and install the appropriate USB Device Driver to the computer using the Windows Update service.

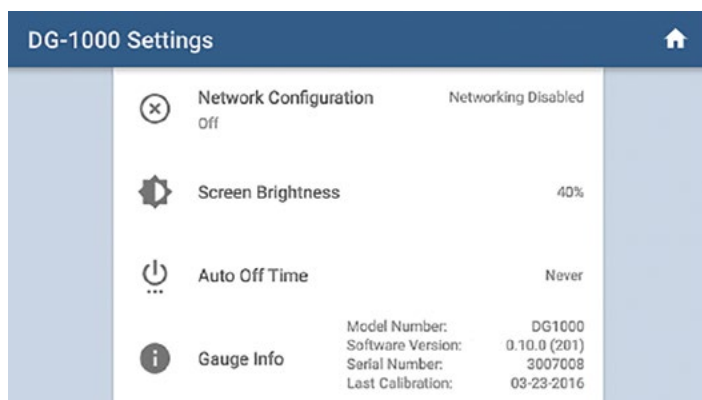
See the [DG-1000 Ports and Networking Basics Quick Guide](#) for instructions on downloading and installing the appropriate device driver.

Enable the micro USB port

1. From the Home screen, touch Settings.

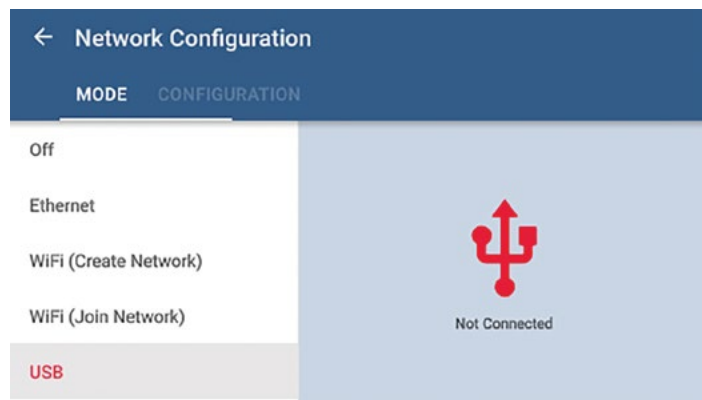


2. Touch Network Configuration.



Wired connection options continued

3. Touch USB. USB should show Not Connected on the right half of the screen.



4. Plug the micro USB cable into the gauge and computer after installing the USB device driver as previously mentioned. After the cable is plugged in the status should change to Connected.



TEC software installed on the PC will now be able to detect the gauge and create a communication link. The gauge and computer can be located up to 16 feet from each other when using a USB cable.

Ethernet

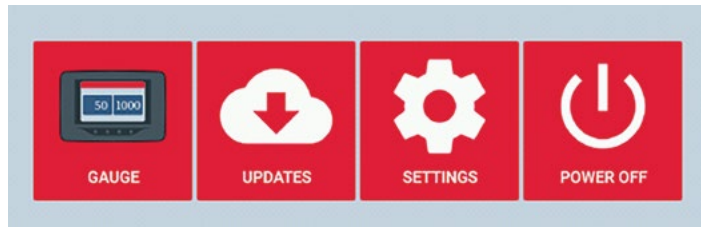


The Ethernet port on the gauge can be used to create a wired two-way communication link with a router or switch (the router or switch must be running DHCP Server).

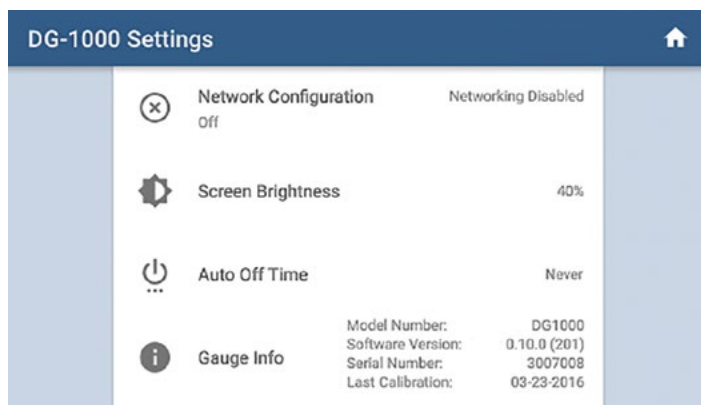
Wired connection options continued

Enable the Ethernet port

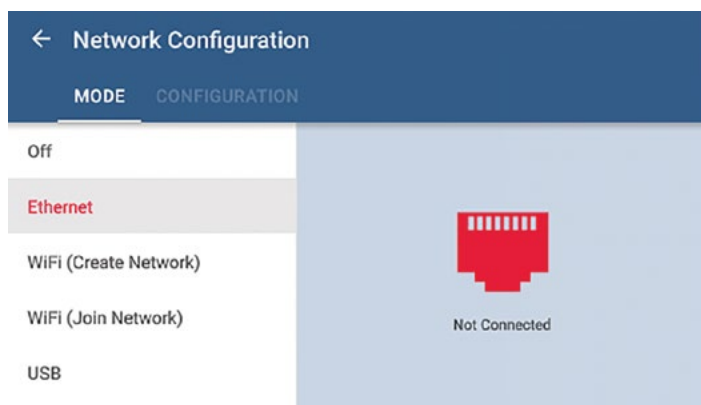
1. From the Home screen, touch Settings.



2. Touch Network Configuration.



3. Touch Ethernet. Ethernet should show Not Connected on the right half of the screen.

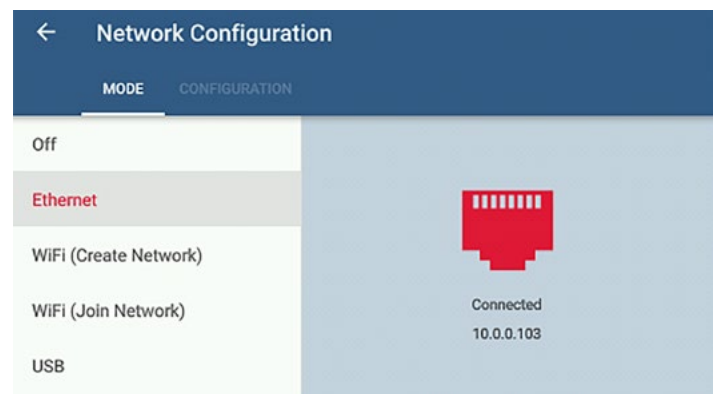


Wired connection options continued

4. Plug in one end of the Ethernet cord into the DG-1000 Ethernet port and the other end into the Ethernet port on a router or switch.



5. The Network Configuration status should update to show "Connected."



If the status continues to show "Not Connected" after two minutes, make sure the cables have been installed correctly and that the router or switch is powered and running DHCP Server.

6. Connect the computer to the same router or switch, using either an additional Ethernet cable, or through a wireless connection. Once this connection is made, TEC software installed on the computer should be able to detect the DG-1000 and create a communication link. Ethernet cables can be up to 328 feet long and still provide a robust communication link.

Wireless connection options

WiFi (Create Network)

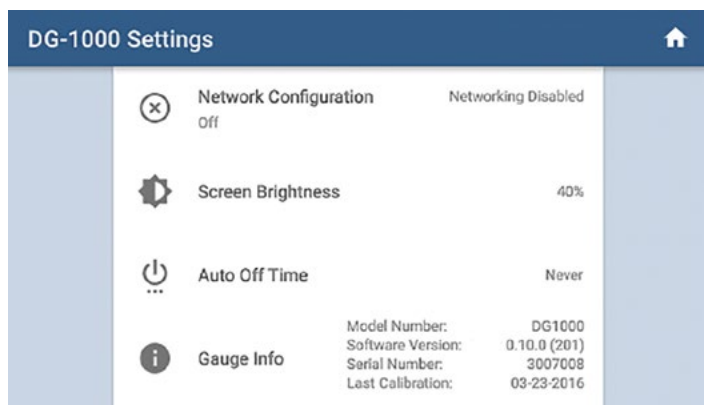
The DG-1000’s built-in WiFi module can be configured to create and broadcast a wireless network that can be connected to directly from a computer or mobile device.

Enable WiFi (Create Network)

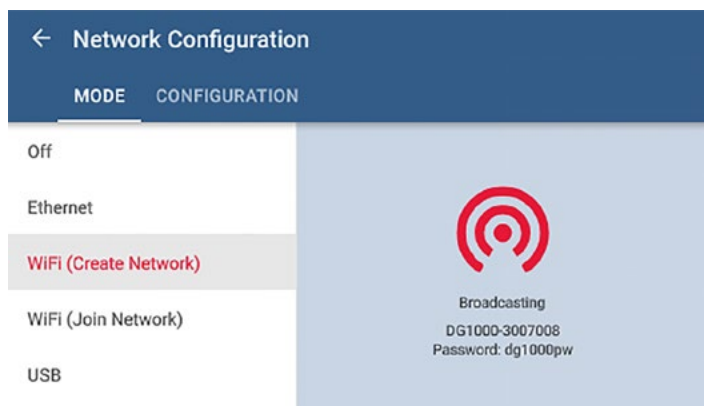
1. From the Home screen, touch Settings



2. Touch Network Configuration



3. Touch WiFi (Create Network)



Wireless connection options continued

4. The DG-1000 will begin broadcasting a secured wireless network with the following settings

SSID: DG1000-(serial # of gauge)

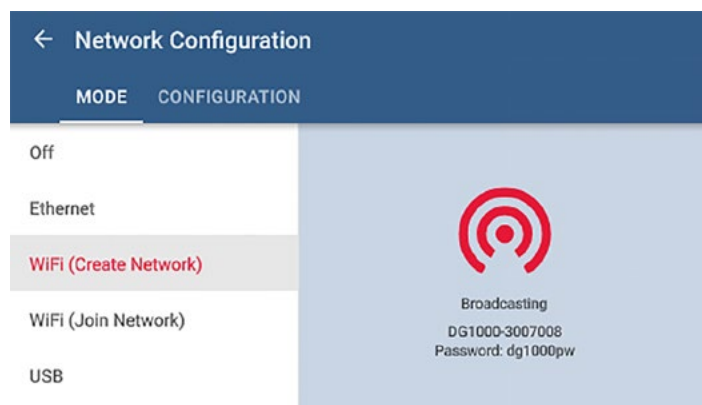
Password: dg1000pw

WiFi Network Channel Setting: 1

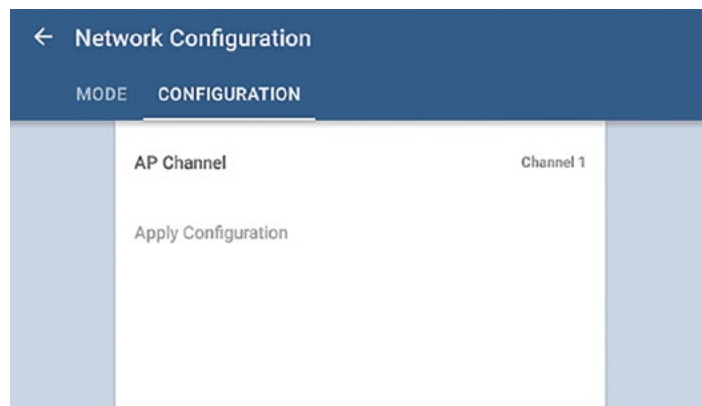
Select and connect to the DG-1000’s wireless network on a computer or mobile device. TEC software installed on the computer or mobile device should now be able to detect the gauge and create a communication link.

If interference on WiFi Channel 1 is suspected, follow these steps to broadcast on a different AP Channel

- Select WiFi (Create Network). Then select Configuration



- Touch AP Channel and enter in a different number between 1 and 11



Wireless connection options continued

WiFi (Join Network)

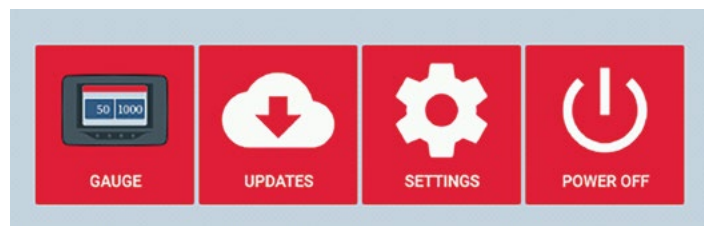
The DG-1000 can join a wireless network using one of these methods.

1. The DG-1000 can search for nearby wireless networks and populate a list so one can be selected and joined.
2. A wireless network name (SSID) can be manually typed in, searched for and then joined.

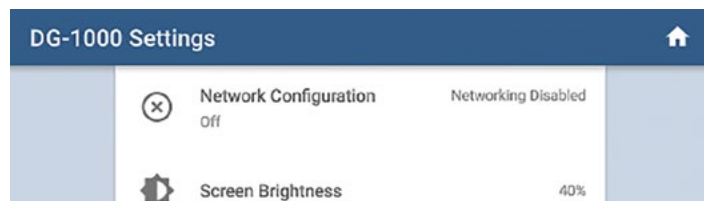
Once the DG-1000 joins a wireless network, the gauge can be accessed using TEC software if the computer or mobile device running the software is also connected to the same network.

Enable WiFi (Join Network)

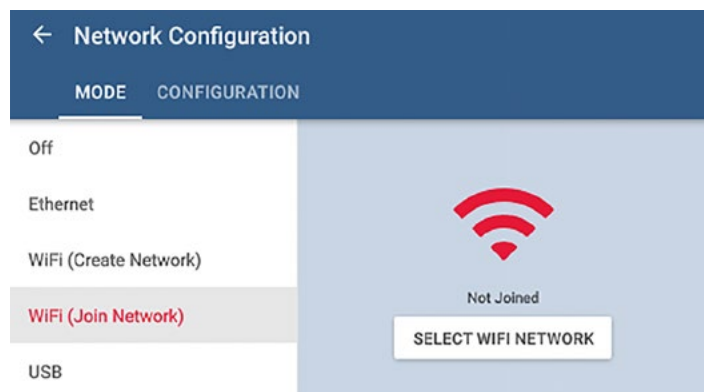
1. From the Home screen, touch Settings



2. Touch Network Configuration

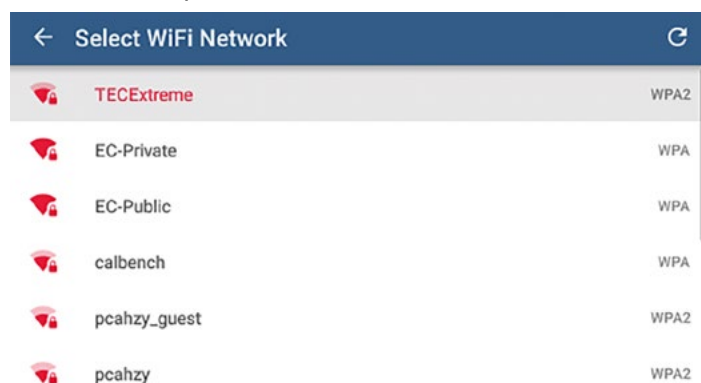


3. Touch WiFi (Join Network), then touch Select WiFi Network

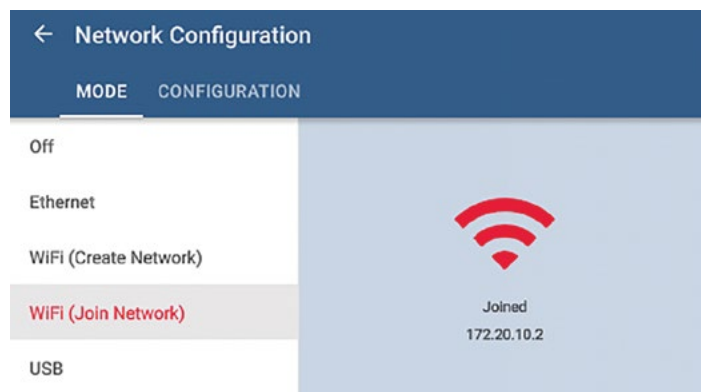


Wireless connection options continued

4. Select which WiFi network the DG-1000 should connect to from the populated list. A screen will popup asking for the password. Use the keypad provided to enter the password, then touch Connect.
 - Notes: Should the password require a character that is not part of the keyboard on the gauge, connect a keyboard using the USB port on the gauge and enter the info using the external keyboard. In addition, the DG-1000 does not have an option for entering a username, so WiFi networks that require a username can't be connected to by the DG-1000. Older software versions may need to manually enter the WiFi network SSID. To do this, touch the Configure tab after touching WiFi (Join Network) and provide the required information.



5. The status on the Mode screen will say Joined if the DG-1000 was able to connect.



6. Connect the computer or mobile device to the same wireless network. Once the computer or mobile device is connected to the network, TEC software installed on the device should be able to detect the gauge and create a communication link.

Software Information

The Energy Conservatory (TEC) offers a variety of Windows-based programs. These programs can be found and downloaded for free at software.energyconservatory.com.

TEC also offers driver support for the DG-500, DG-700 and DG-1000. The drivers are designed to work with Windows-based computers with the following operating systems:

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10

The drivers are available through Windows Update, and the DG-500 and DG-700 drivers can be downloaded from TEC at software.energyconservatory.com.

TEC also offers mobile apps for Apple and Android devices that can be found in the Apple App Store or the Google Play Store.

Instructional Videos

The Energy Conservatory (TEC) offers a variety of online instructional videos, including

- Minneapolis Blower Door Quick Guide
- Minneapolis Duct Blaster Quick Guide
- Field Calibration Checks for Gauges
- Pressure and Airflow Basics
- Exhaust Fan Flow Meter
- TECLOG3
- TECTITE 4.0
- And many more

Visit www.YouTube.com/EnergyConservatory to see all of TEC's instructional videos.

More DG-1000 Guides

All DG-1000 guides are available online at energyconservatory.com/dg1000guides

Please refer to the guides listed below for further instructions.

- [DG-1000 Overview Booklet](#)
- [DG-1000 Basic Use Quick Guide](#)
- [DG-1000 Ports and Networking Basics Quick Guide](#)
- [Connecting Multiple DG-1000's Quick Guide](#)
- [Using the DG-1000 with the Minneapolis Blower Door](#)
- Using the DG-1000 with the Minneapolis Duct Blaster (coming soon)



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