



G3 Codec Tech Note 20.1: Connecting a Codec to a Wi-Fi Network using Windows 7

Connect and Authenticate the Laptop on the Wi-Fi Network



To view and connect to available wireless networks in Windows 7[®]:

1. Open **Connect to a Network** by clicking the network icon ( or ) in the notification area.
2. In the list of available wireless networks, click a network, and then click **Connect**.

Some networks require a network security key or passphrase. To connect to one of those networks, ask your network administrator or Internet service provider (ISP) for the security key or passphrase.

Enable Internet Connection Sharing

To enable ICS, on your host computer:

1. Open **Network Connections** by clicking the **Start** button , and then clicking **Control Panel**. In the search box, type **adapter**, and then, under Network and Sharing Center, click **View network connections**.
2. Right-click the connection that you want to share, and then click **Properties**.  If you're prompted for an administrator password or confirmation, type the password or provide confirmation.
3. Click the **Sharing** tab, and then select the **Allow other network users to connect through this computer's Internet connection** check box.

Notes:

- The **Sharing** tab won't be available if you have only one network connection.
- You can choose whether to select the **Allow other network users to control or disable the shared Internet connection** check box.
- Optionally, to allow other network users to use services running on your network, click **Settings**, and then select the services you want to allow.

When you enable ICS, your local area network (LAN) connection gets a new static IP address and configuration, so you'll need to re-establish any TCP/IP connections between your host computer and the other network computers.

To test your network and Internet connection, see if you can share files between computers and make sure each computer can reach a website.

Tieline G3 Codec Connectivity:

1. Connect the Tieline codec LAN port to the laptop LAN port using an Ethernet cable.

Note: In most cases a standard Ethernet cable will work. With some older PCs it may be necessary to use a crossover cable which contains a special pin configuration (Crossed pairs hence 'Crossover'). These cables are available from most computer part suppliers:

1. Navigate to **Menu > Unit Details > IP Address** to ensure an IP Address has been assigned to the codec.
2. Once the codec has been assigned an IP address and **IP1 Enter#** is visible on the codec's LCD display, enter a valid IP Address to test the connection

Identifying the Subnet Mask and Default Gateway on a Network

1. Run "ipconfig" from a command prompt on the PC.
2. Record the "Subnet Mask" and "Gateway" values presented in step 1.
3. Set-up a static IP address on the codec using the values recorded in step 2.

Visit <http://www.tieline.com/Support/Test-lines> for a list of the current Tieline test codecs and their IP addresses.

Note: In instances where hotels authenticate wireless connections using the PC's MAC Address, the preceding procedure may not work.