



TN0003 Activation On Networks Using Manual Activation

TN0003 22 August, 2007

Purpose:

This TechNote describes the steps required to activate a Ctek Series 4100, 4200, or 4300 SkyRouter on wireless networks using a manual activation process. Once the steps described in this TechNote have been performed on an individual SkyRouter you should not need to repeat them.

Before You Start:

Before you begin this process you must have first created a wireless data account on the appropriate wireless network for this specific unit. To do this you will need to contact your wireless Network Operator (Carrier), make the necessary commercial arrangements, and supply the Network Operator with the ESN (in both decimal and hexadecimal) assigned to your unit. The ESN information is found on the packing slip that came with your SkyRouter. The ESN is also available through the Wireless Status screen. It is a good practice to make a permanent record of the ESN information for future reference. When your wireless Network Operator establishes your account, they will issue a telephone number to you, which they refer to as the mobile ID number (MIN). You should also be given a time frame within which your assigned account will become activated. We recommend that you wait the full time indicated before proceeding with this TechNote.

Please follow these steps carefully.

1. Power up the SkyRouter unit
2. Connect to the local administrative interface using a PC with a web browser and the reverse Ethernet cable supplied with your unit. The Administrative interface is started by connecting to Internet Protocol (IP) address 192.168.1.10. Use the address `http:// 192.168.1.10` in your browser to make this connection. A login screen will appear. The default User ID is "ctek" (without the quotes) and the default Password is also "ctek".
3. Go to the **Wireless** screen under the **Interfaces** heading. Using the pull down menu function set the **Connection Type** to **Disabled**.
4. Press the **Update** button.
5. Return to the **Top Level Administration** screen using the **Home** button.
6. At the top-level Administration screen press **Restart**
7. On the **Restart** screen press **Restart** again.
8. Reconnect to the **Administrative Interface** after the delay described on the restart screen.
9. Select the **OTA Service** screen under the Services heading.
10. On the OTA screen enter the characters **AT\$KWDIR=MIN** where **MIN** is the ten-digit phone number assigned to your SkyRouter by the network operator. An example might look like **AT\$KWDIR=8005551212**.
11. Press the **Submit** button
12. After a few seconds you should see the response **DIRECTORY NUMBER CHANGED**.
13. Return to the **Top Level Administration** screen using the **Home** button.
14. Go to the **Wireless** screen under the **Status** heading. Review the 10-digit Phone Number (MIN) value found in the upper right hand corner of this screen. If the **MIN** value is blank, contains all zeros, or is a 10-digit phone number with the first 6 digits being zero, the manual activation steps described above were not completed successfully. In this case you should redo this procedure starting at the beginning.
15. If the MIN is correct, return to the **Top Level Administration** screen using the **Home** button.
16. Go to the **Wireless** screen under the **Interfaces** heading. Using the pull down menu function set the **Connection Type** to either **Always ON** or **Demand** mode depending on your requirements.



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Note: Steps 17 – 20 (in italics) are only required if your wireless network operator uses a User ID and Password authentication. You should ask your wireless Network Operator about authentication, User ID, and password when you create your account. If authentication is not required, proceed to step 21.

17. *Go to the **User Name** field in the upper left hand corner of the screen.*
18. *Enter the User Name value as defined by your wireless network operator.*
19. *Go to the **Password** field immediately below the **User Name** field.*
20. *Enter the password as defined by your wireless network operator. Note that your typed characters will be echoed back as a dot character since this is a password field.*
21. Press the **Update** button.
22. Return to the **Top level Administration** screen using the **Home** button.
23. At the top-level Administration screen press **Restart**
24. On the **Restart** screen press **Restart** again.
25. Reconnect to the **Administrative Interface** after the delay described on the restart screen.
26. Go to the **Wireless** screen under the **Status** heading. Review the call Status field. The **Call Status** field should indicate **Connected** if your connection type is set to **Always On** as defined in the Wireless Interface screen. If your **Connection Type** is set to **On Demand**, you will not observe the **Connected** Call status until you make an outbound data request.

Note: Depending on network traffic and signal level, it could take up to a minute to establish a connection.