Setting the 7800 as a Remote Base Station

You can set your 7800 so that you can access it remotely using a computer for receive and transmit, just as if you are using the radio itself. It involves the use of two computers: one remote and one local. You also need Ham Radio Deluxe software to control the 7800 itself, and Skype software to transmit and receive audio from the radio.

What You Will Need

Equipment
- IC 7800
- local server (located with the 7800) with high-speed Internet connection
- remote controlling computer
- soundcard: creative Sound Blaster model number S80270 (or equivalent, for optical interface)
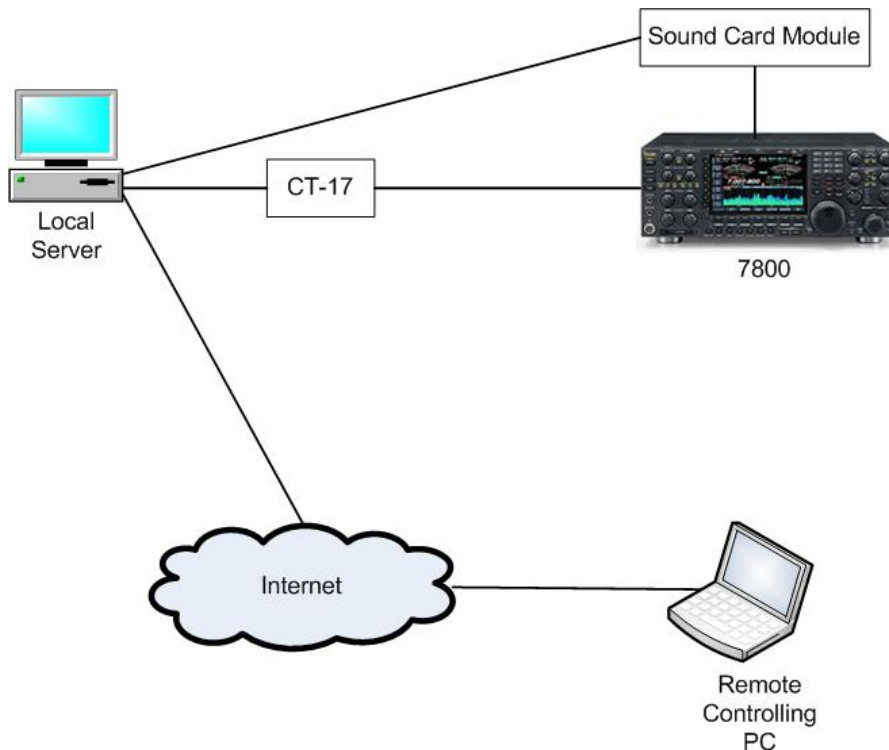- CT-17 level converter or equivalent

Software
- Ham Radio Deluxe:
http://hrd.ham-radio.ch/downloads.html

- Skype:
http://www.skype.com/products/skype/windows/?autoload=true

System Connections

Configuring your 7800

1. Under Set Menu\ACC set DATA OFF MOD, DATA1 MOD, DATA2 MOD, DATA3 MOD all to S/PDIF
2. Under Set Menu\OTHERS set the Default Baud Rate to 19200.

Configuring the Local Server

1. Connect the Sound Blaster to the 7800 with the supplied S/PDIF cables.
2. Connect the Sound Blaster to the remote server using the supplied USB cable.
3. Use the supplied disc to install the drivers and the supplied software for the Sound Blaster on the remote server.
4. Open the Creative MediaSource Player.
5. Click the **Record** button.
6. Set your microphone input to S/PDIF
7. If you are behind a router or firewall open port 7805 for HRD.
8. Connect to server and the radio using a CT-17 level converter (or equivalent).
9. Install Ham Radio Deluxe and then launch the program.
10. Click **Help\Remote Server**.
11. Follow the steps outlined to configure your remote server.
12. Install Skype and follow the install wizard.
13. At the end of the wizard create a Skype account that will represent your radio.
14. Login to Skype.
15. Click **Tools\Options**.
16. Select Sound Devices from the left hand side.
17. Choose Sound Blaster for both the Audio In and Audio Out drop downs.
18. Uncheck the **Enable automating sound device settings adjustment** checkbox.
19. Select **Advanced** from the left hand side.
20. Check the **Automatically Answer Call** checkbox.

Configuring the Remote Controlling PC

1. Install Ham Radio Deluxe and then launch the program.
2. Click Help\Remote Server.
3. Scroll to the section titled Connecting and follow the steps to connect to your remote server.
4. Install Skype and follow the install wizard.
5. At the end of the wizard create a Skype account that will represent you.
6. Place a call to your remote server to verify it is automatically answering calls.
7. If you have problems connecting the machines with Skype refer to the website below.
   http://support.skype.com/index.php?_a=knowledgebase&_j=questiondetails&_i=149&nav2=Technical