

Use IP Config to determine the IP address of your computer

```
Ethernet adapter Local Area Connection:  
  
    Connection-specific DNS Suffix . : hsd1.ca.comcast.net.  
    IP Address. . . . . : 67.169.1.131  
    Subnet Mask . . . . . : 255.255.255.0  
    Default Gateway . . . . . : 67.169.1.1
```



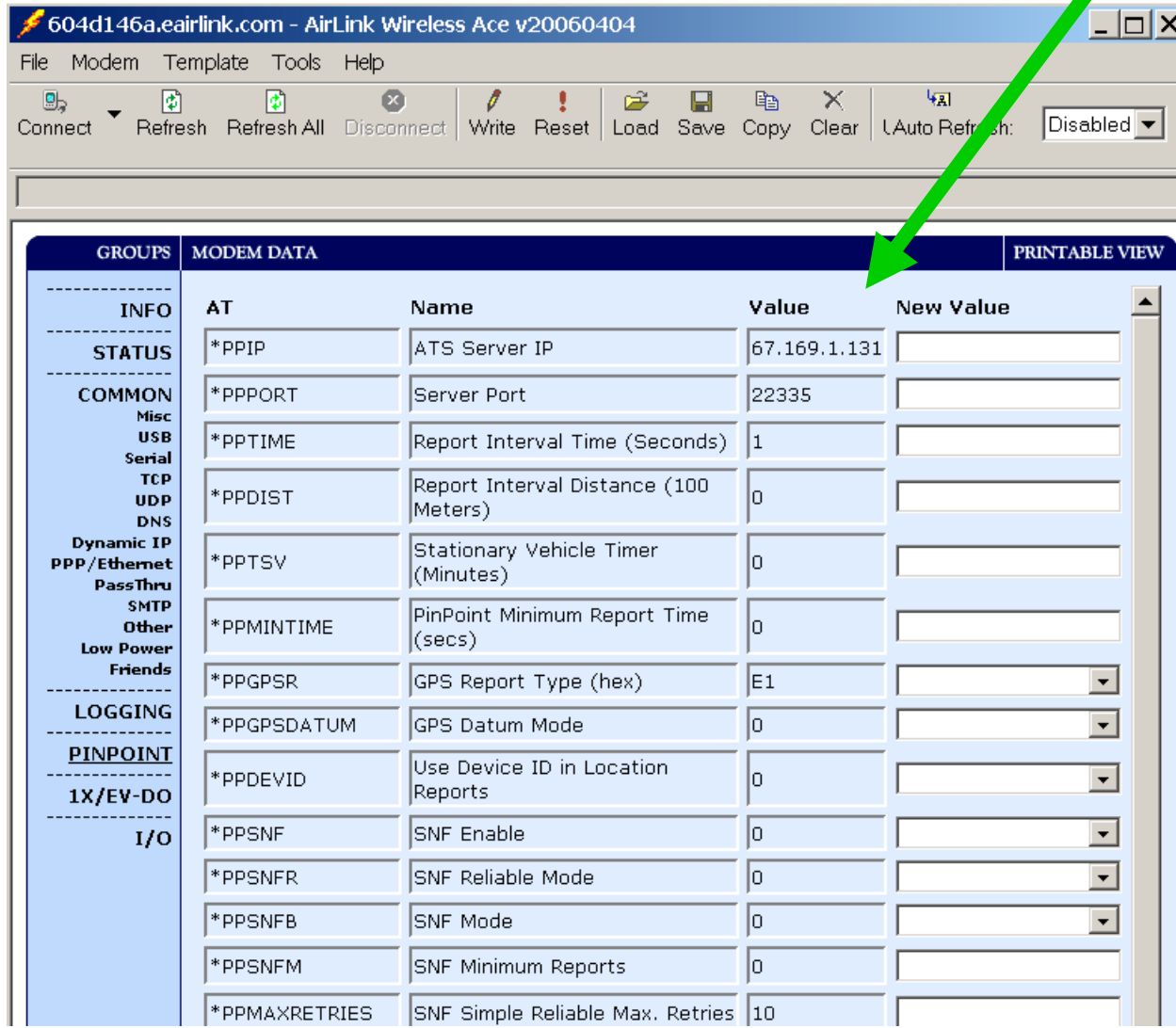
# Start Wireless Ace. Note the circled items values

GROUPS	AT	Name	Value	New Value
INFO	*PPIP	ATS Server IP	64.216.8.110	
STATUS				
COMMON	*PPPORT	Server Port	9090	
Misc	*PPTIME	Report Interval Time (Seconds)	280	
USB				
Serial	*PPDIST	Report Interval Distance (100 Meters)	500	
TCP				
UDP				
DNS				
Dynamic IP	*PPTS	Stationary Vehicle Time (Minutes)	240	
PPP/Ethernet				
PassThru				
SMTP	*PPMINTIME	PinPoint Minimum Report Time (secs)	0	
Other				
Low Power				
Friends	*PPGPSR	GPS Report Type (hex)	13	
LOGGING				
	*PPGPSDATUM	GPS Datum Mode	0	
PINPOINT				
	*PPDEVID	Use Device ID in Location Reports	0	
1X/EV-DO				
I/O				
	*PPSNF	SNF Enable	0	
	*PPSNFR	SNF Reliable Mode	0	
	*PPSNFB	SNF Mode	0	
	*PPSNFM	SNF Minimum Reports	0	
	*PPMAXRETRIES	SNF Simple Reliable Max. Retries	10	

Change the values as shown below, **Note \*PPIP must be the same as slide 1's IP address.**

GROUPS	MODEM DATA	Value	New Value
INFO	AT		
STATUS	*PPIP	64.216.8.110	67.169.1.131
COMMON	*PPPORT	9090	22335
Misc	*PPTIME	280	1
USB	*PPDIST	500	0
Serial	*PPTSV	240	0
TCP	*PPMINTIME	0	
UDP	*PPGPSR	13	E1-NMEA GGA+VT
DNS	*PPGPSDATUM	0	
Dynamic IP	*PPDEVID	0	
PPP/Ethernet	*PPSNF	0	
PassThru	*PPSNFR	0	
SMTP	*PPSNFB	0	
Other	*PPSNFM	0	
Low Power	*PPMAXRETRIES	10	
Friends			
LOGGING			
PINPOINT			
1X/EV-DO			
I/O			

# Values have been written to the modem



The screenshot shows the AirLink Wireless Ace v20060404 software interface. The window title is "604d146a.eairlink.com - AirLink Wireless Ace v20060404". The menu bar includes "File", "Modem", "Template", "Tools", and "Help". The toolbar contains buttons for "Connect", "Refresh", "Refresh All", "Disconnect", "Write", "Reset", "Load", "Save", "Copy", "Clear", and "Auto Refresh" (set to "Disabled").

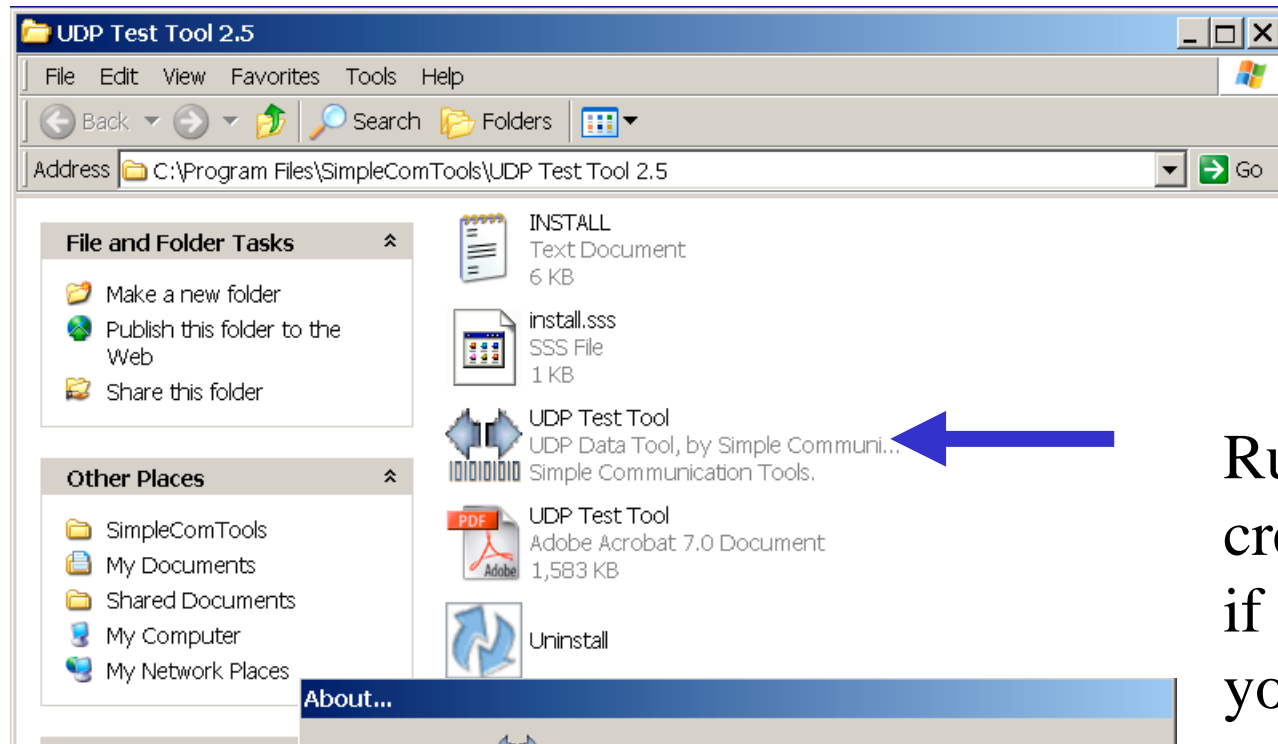
The main content area is a table with the following structure:

GROUPS	MODEM DATA			PRINTABLE VIEW
	AT	Name	Value	New Value
INFO				
STATUS	*PPIP	ATS Server IP	67.169.1.131	
COMMON	*PPPORT	Server Port	22335	
Misc				
USB	*PPTIME	Report Interval Time (Seconds)	1	
Serial				
TCP				
UDP	*PPDIST	Report Interval Distance (100 Meters)	0	
DNS				
Dynamic IP				
PPP/Ethernet	*PPTSV	Stationary Vehicle Timer (Minutes)	0	
PassThru				
SMTP				
Other	*PPMINTIME	PinPoint Minimum Report Time (secs)	0	
Low Power				
Friends	*PPGPSR	GPS Report Type (hex)	E1	
LOGGING	*PPGPSDATUM	GPS Datum Mode	0	
PINPOINT				
1X/EV-DO	*PPDEVID	Use Device ID in Location Reports	0	
I/O				
	*PPSNF	SNF Enable	0	
	*PPSNFR	SNF Reliable Mode	0	
	*PPSNFB	SNF Mode	0	
	*PPSNFM	SNF Minimum Reports	0	
	*PPMAXRETRIES	SNF Simple Reliable Max. Retries	10	

Download UDP Test Tool from

<http://www.wirelessmobiledata.com/udptesttool.zip>

When it is downloaded, unzip,run and install the program

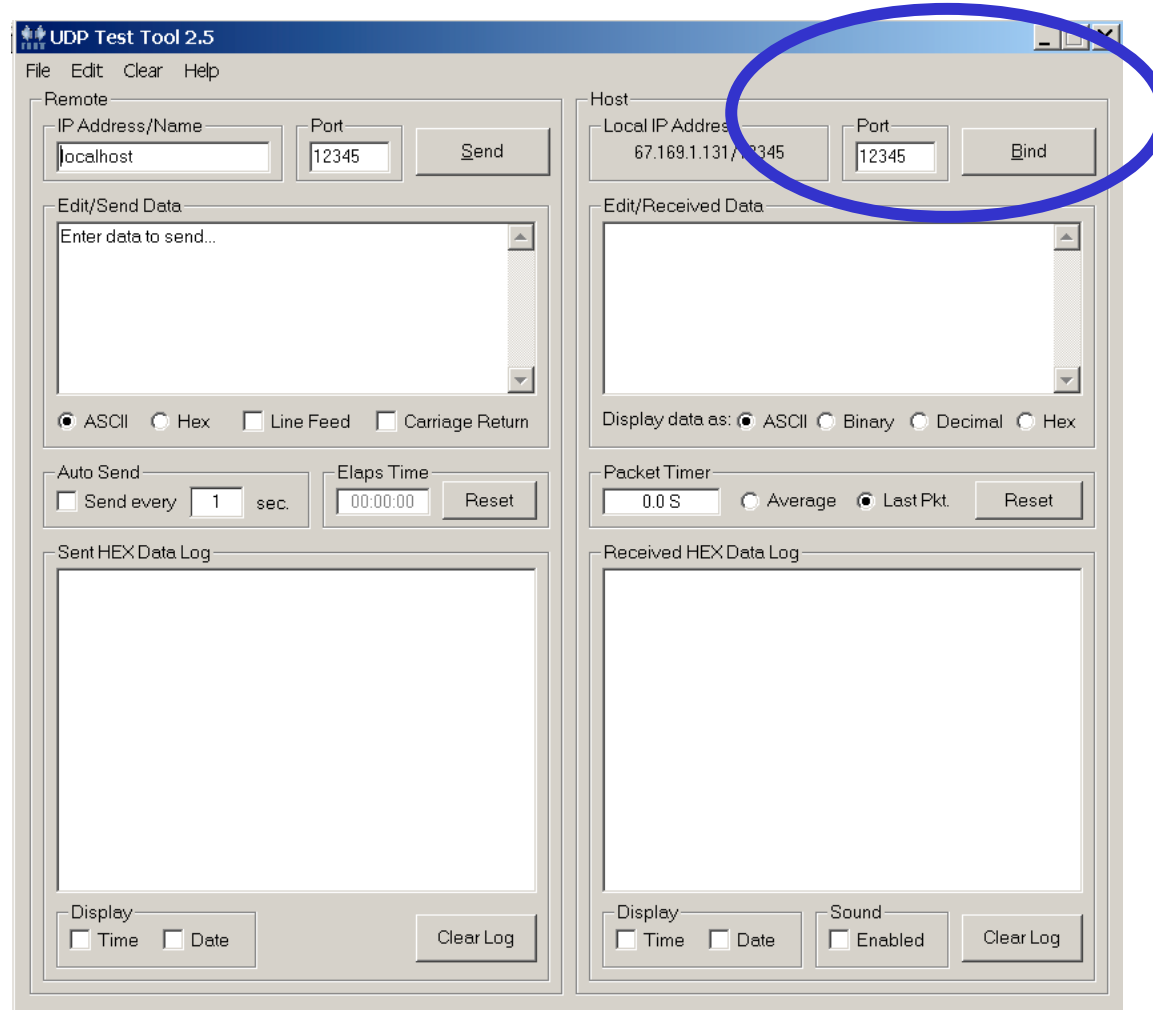


Run this program,  
create a shortcut  
if you wish onto  
your desktop

Select OK  
after starting  
the program



The test tool will run. For GPS inbound use the screen on the right. Note the IP address is the same as slide 1. Change the PORT setting to 22335 and then select BIND



**UDP Test Tool 2.5**

File Edit Clear Help

**Remote**

IP Address/Name: localhost Port: 12345

**Edit/Send Data**

Enter data to send...

ASCII  Hex  Line Feed  Carriage Return

Auto Send:  Send every 1 sec. Elaps Time: 00:00:00

**Sent HEX Data Log**

Remote GPS data will appear in the window above. Note the NEMA LAT/LONG data underlined

Display:  Time  Date

**Host**

Local IP Address: 67.169.1.131/22335 Port: 22335

**Edit/Received Data**

```
$GPGGA,050843.00,3729.65470,N,12227.48509,W,1,07,1,16,2.8,M,-25.9,M,*,*67
$GPRMC,050844.00,A,3729.65473,N,12227.48505,W,0.06,5,343.83,261007,*,*A*7B
$GPVTG,343.83,T,*,M,0.065,N,0.121,K,A*33
```

Display data as:  ASCII  Binary  Decimal  Hex

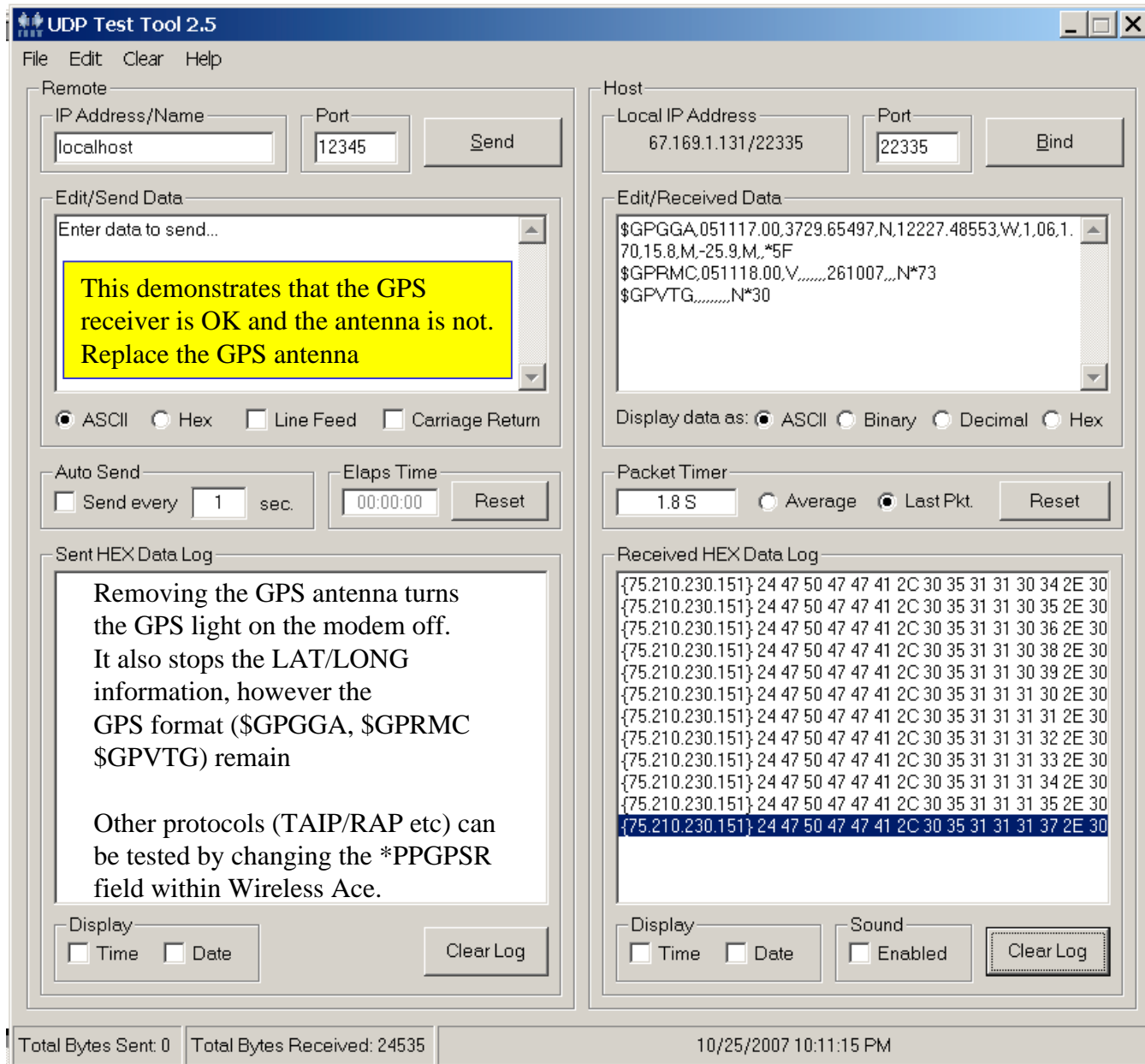
Packet Timer: 1.8 S  Average  Last Pkt

**Received HEX Data Log**

```
{75.210.230.151} 24 47 50 47 47 41 2C 30 35 30 38 33 39 2E 30
{75.210.230.151} 24 47 50 47 47 41 2C 30 35 30 38 34 30 2E 30
{75.210.230.151} 24 47 50 47 47 41 2C 30 35 30 38 34 31 2E 30
{75.210.230.151} 24 47 50 47 47 41 2C 30 35 30 38 34 33 2E 30
```

Display:  Time  Date  Sound:  Enabled

Total Bytes Sent: 0 Total Bytes Received: 744 10/25/2007 10:08:39 PM



Be certain to set the modem back to the original settings as shown on Slide 2 when the testing is done.