

**USING THE ALFA R36 ROUTER/REPEATER
IN BRIDGE MODE
AS A WIRELESS ETHERNET EXTENDER
Revised 2 September 2013**

Here in Ventura, CA I use DSL from AT&T. The phone line goes through a whole house DSL filter and the data from the filter feeds a Zoom 5654A X5 DSL modem with an included Ethernet switch and four RJ-45 Ethernet ports. The Zoom modem takes care of user and password authentication and DHCP IP assignment with AT&T.

Can the Alfa R36 be used here as a wireless router? Yes it can - in Bridge mode.

The R36 user manual says almost nothing about Bridge mode. The ADSL mode wants to deal with authentication and IP that are already done by the Zoom modem. Bridge mode works here just like a wireless Ethernet link between the ADSL modem and my laptop.

SETUP THE ALFA R36 IN BRIDGE MODE

1. Power up the R36 with its Ethernet and USB ports not connected to anything.
2. Power up your computer. Make sure the computer wifi is NOT connected to anything and the computer Ethernet port is NOT connected to anything.
3. Connect an Ethernet cable between the R36 LAN port and your computer's Ethernet port.
4. Open your browser and type in the R36 IP address **192.168.2.1**.
5. When the R36 setup page shows up:
6. Click on **Easy Setup**
7. Click on **Bridge**
8. Change the SSID name from ALFA-AP to the name of your choice. Also at this point make sure the channel (default is channel 1) and speed (default is 802.11b/g/n) are set to your choices.
9. If desired, set up a password.
10. Click **Done** and wait for the changes to take effect. This could take up to one minute.
11. Remove the Ethernet cable from the R36 and your computer.
12. Connect an Ethernet cable from one of your DSL modem's Ethernet ports to the R36 WAN port. The R36 LAN and USB ports will now have nothing connected to them.
13. The R36 is now ready to use in Bridge mode.

14. Using your computer's wifi, connect to the R36 signal.
15. Verify you are connected to the Internet.

NOTE 1 -In this mode I can easily access the Zoom modem status page, but I can no longer access the R36 status page via my browser. I cannot even access the R36 status page through Ethernet to the R36 LAN port! The only way I can now access the R36 is by activating the reset button on the bottom of the R36 and then doing the setup all over again!