

Serial_port_pinouts

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If you can not find the desired serial pinout here, search online, such as [OpenWRT TOH](#) or [LEDE](#) (if supported) and [WikiDevi](#). Note, for WikiDevi, it is best to just search for your router name + wiki in your favorite search engine. Also try searching forums here and at [OpenWRT/LEDE](#).

Do NOT link to an external image. To add photos or diagrams, please [upload them](#) to the wiki, then reference them here using the *Embedded image* button in Editing mode.

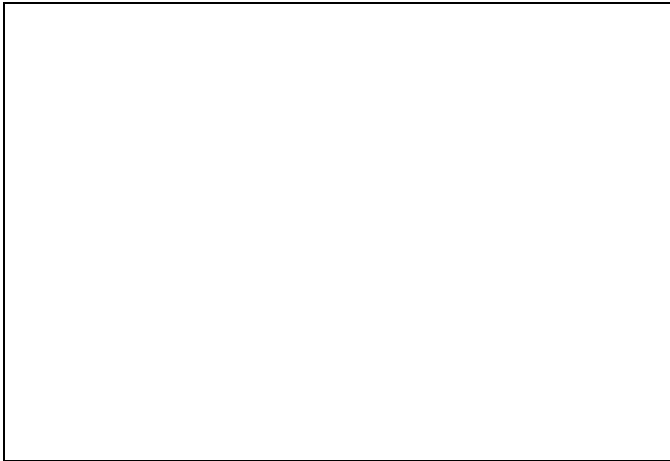
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NOTE: "------" is nearest board edge

Airlink AR430W

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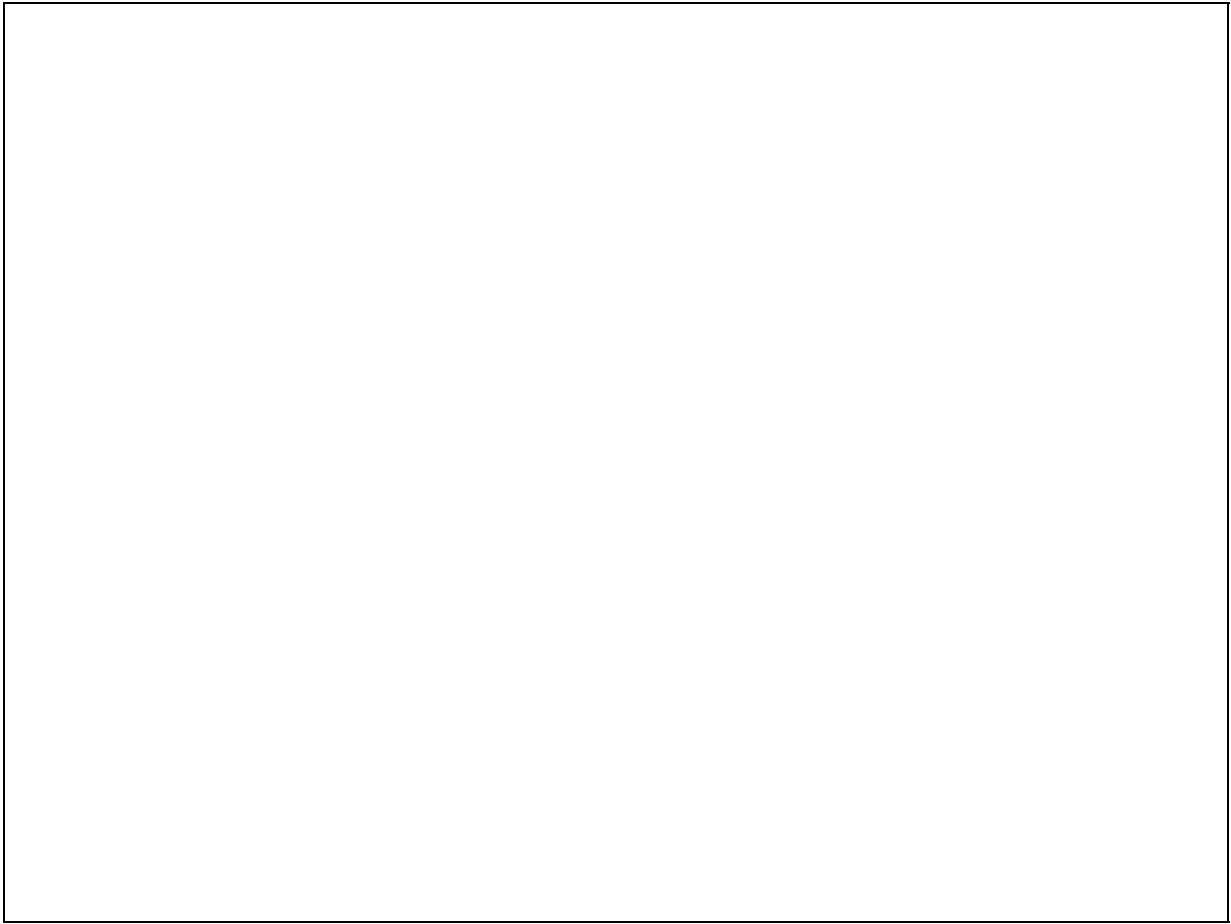
Asus WL-500 Deluxe

```
|           o o  
| gnd o o vcc  
| tx1 o o tx0  
| rx1 o o rx0  
|           J5
```



Belkin F7D8302/ F7D4302

Reference [forum post](#)



Buffalo WBR2-G54(S)

J5
o gnd
o vcc
o rx
o tx

Buffalo WHR-G54S

Connector RJP1

tx o o |
o o vcc |
o o gnd |
rx o o |
o

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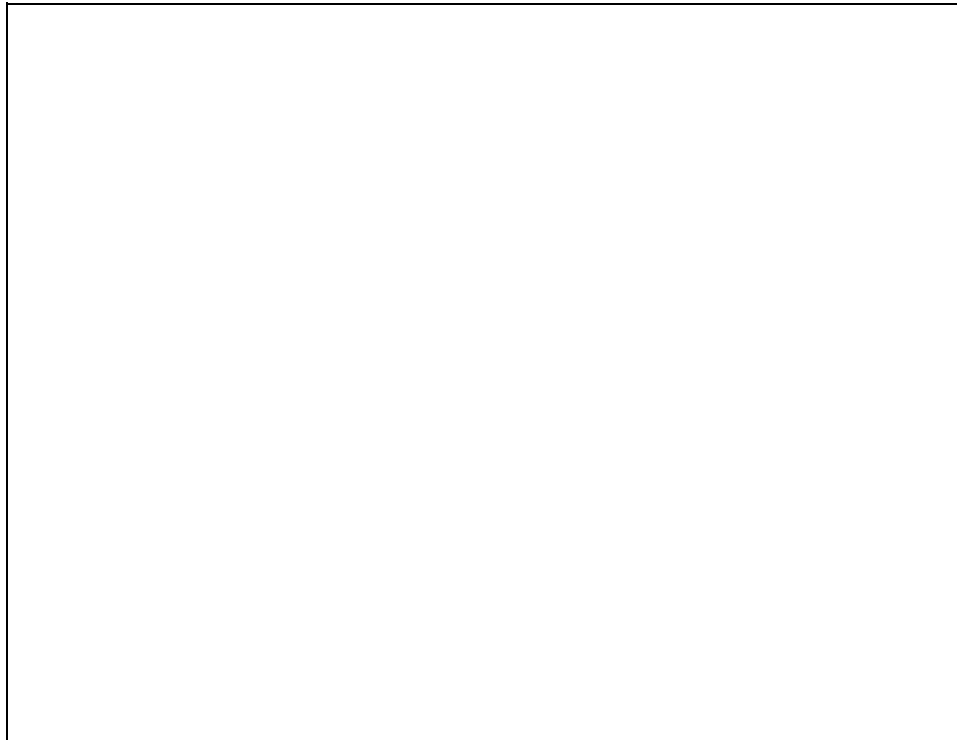
The serial port runs at 115200 baud, 8 bits, no parity, 1 stop bit using ANSI terminal emulation.

Buffalo WHR-HP-G54

Connector J1

```
rx  o  |
tx  o  |
gnd o  |
vcc o  |
-----
```

The serial port runs at 115200 baud, 8 bits, no parity, 1 stop bit using ANSI terminal emulation. Levels are not RS232 voltage levels, but +3.3V TTL logic. Use level shifter (Max232/Max3232/DS275 etc.) to correct this. Also a USB to serial phone cable will work in most cases. A cable with a Prolific 2303 works fine to access the router as a device (Eg. to get a bootloader commandline). It does not work in host mode to control USB devices. The VCC pin puts out 3.3V.



Buffalo WHR-G125

Connector J1

```
|
|  rx  o
```

Buffalo WHR-G54S

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```
| tx o  
| gnd o  
| vcc o  
-----
```

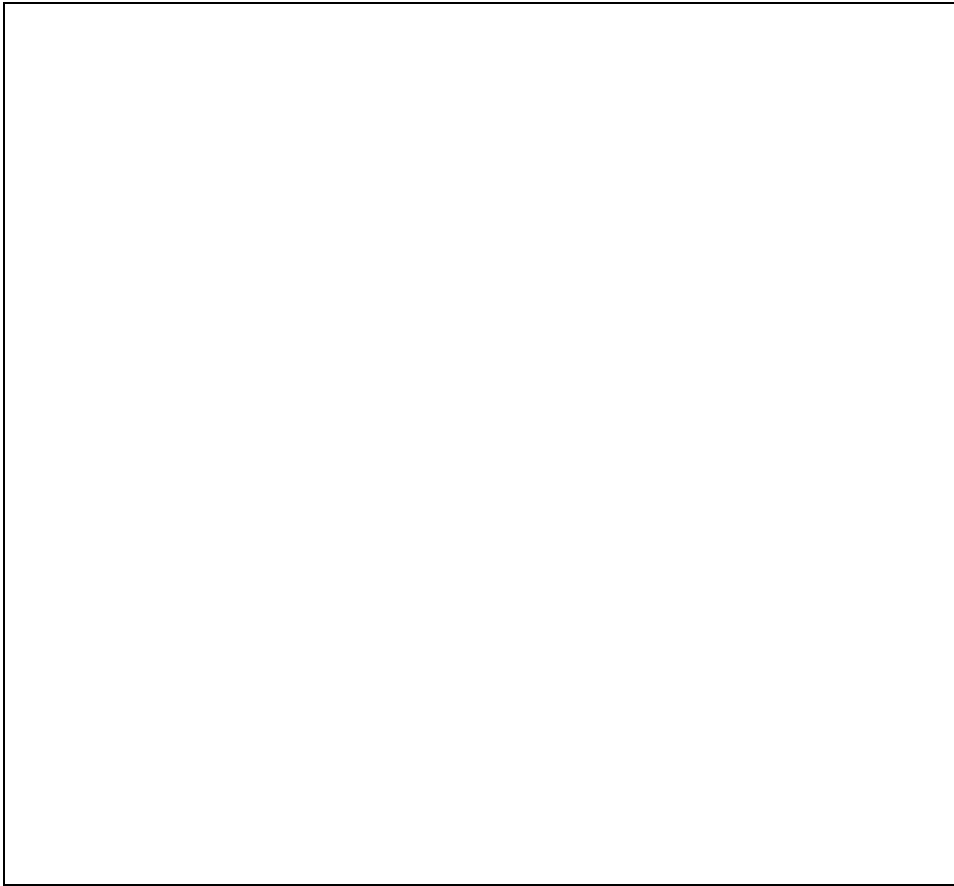
The serial port runs at 115200 baud, 8 bits, no parity, 1 stop bit using ANSI terminal emulation. Levels are not RS232 voltage levels, but +3.3V TTL logic. Use level shifter (Max232/Max3232/DS275 etc.) to correct this. Also a USB to serial phone cable will work in most cases. A cable with a Prolific 2303 works fine.

Buffalo WLA2-G54C

```
| tx o o  
| o o vcc  
| o o gnd  
| rx o o  
| o  
-----
```

D-Link DIR-615 D3

The serial port runs at 57600 baud, 8 bits. Voltage levels are +3.3V TTL logic, which means TX transmit at 3.3V and VCC is 3.3V. RX has a pull-up resistor. Port is /dev/tts1.



D-Link DIR-300 revB

NOTE: RevB is completely different hardware, based on Ralink RT3050 SoC. The serial port runs at 57600 baud, 8 bits, no parity, 1 stop bit using ANSI terminal emulation. Levels are not RS232 voltage levels, but +3.3V TTL logic. Use an interface converter chip (Max232/Max3232/DS275 etc.) to connect to standard RS-232.

D-Link DIR-300 revB (Chinese)

??:

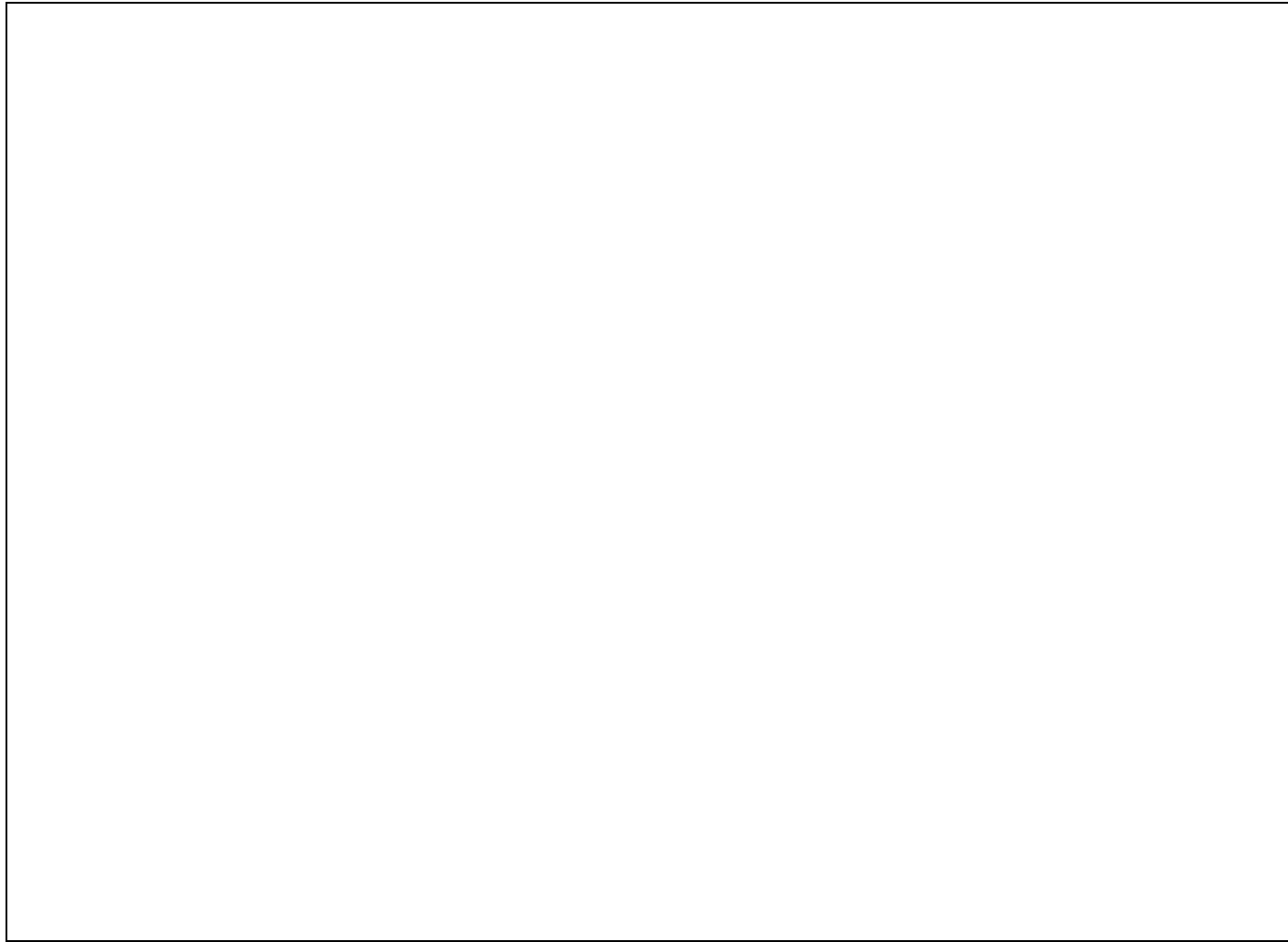
RevB????????????????RT3050????????57600????n,8,1???3.3V?TTL????RS232????????(Max232/M

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etc.)????RS-232??

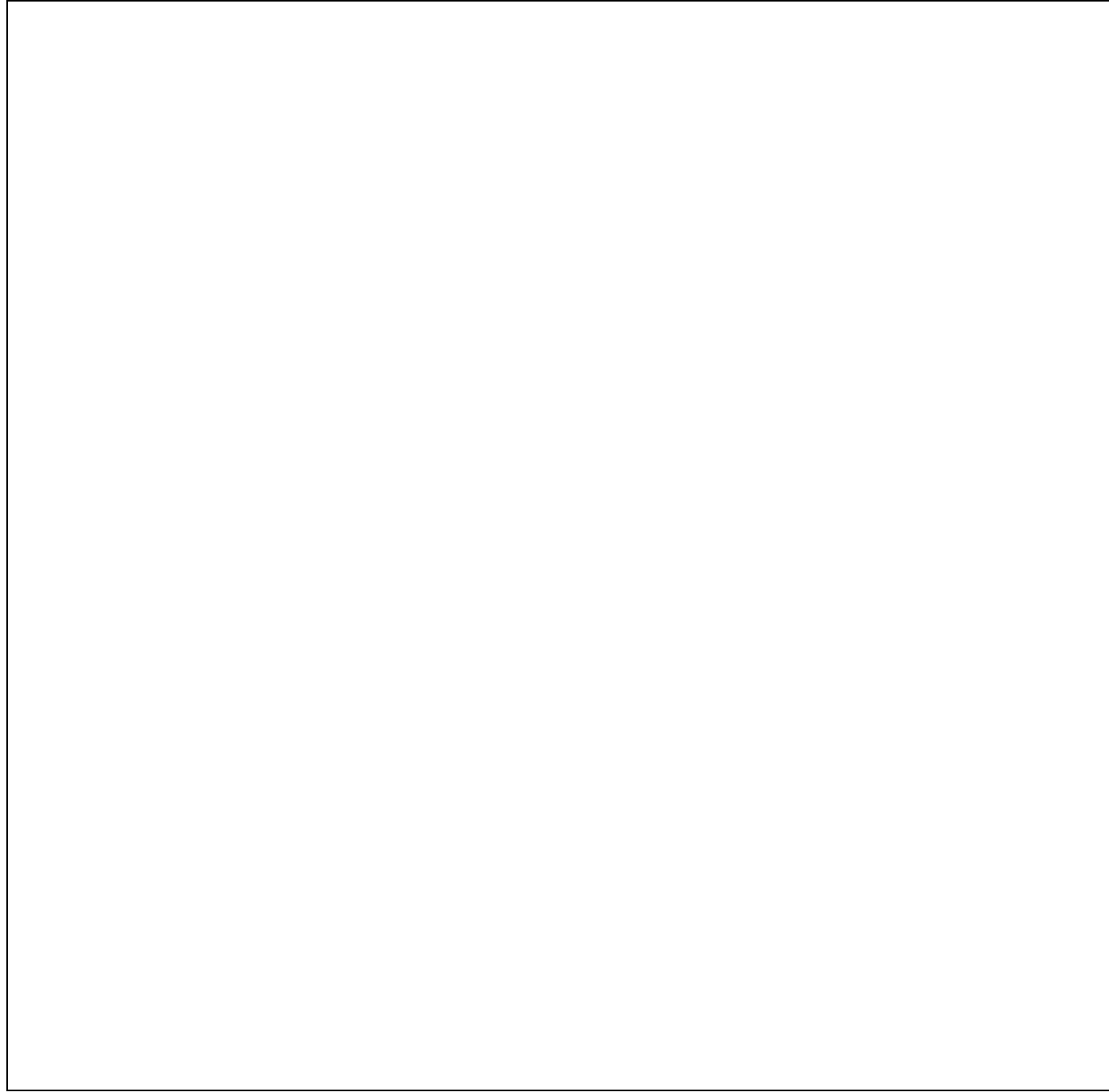
Dynex DX-NRUTER



Linksys E1000v2 E2000

E2000 has the same pinout. Looking from the back of the router, the serial port is the 5 holes above the 2x6 JTAG port. Again, **looking from the back of the router: Vcc - Rx - Tx - ? - Gnd**

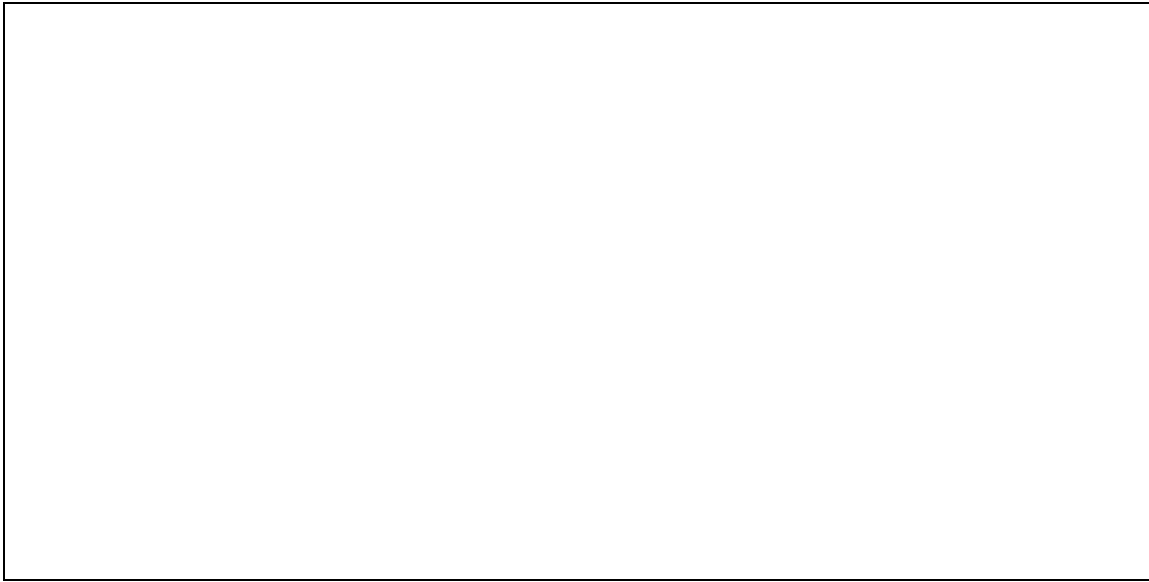
Linksys E2500



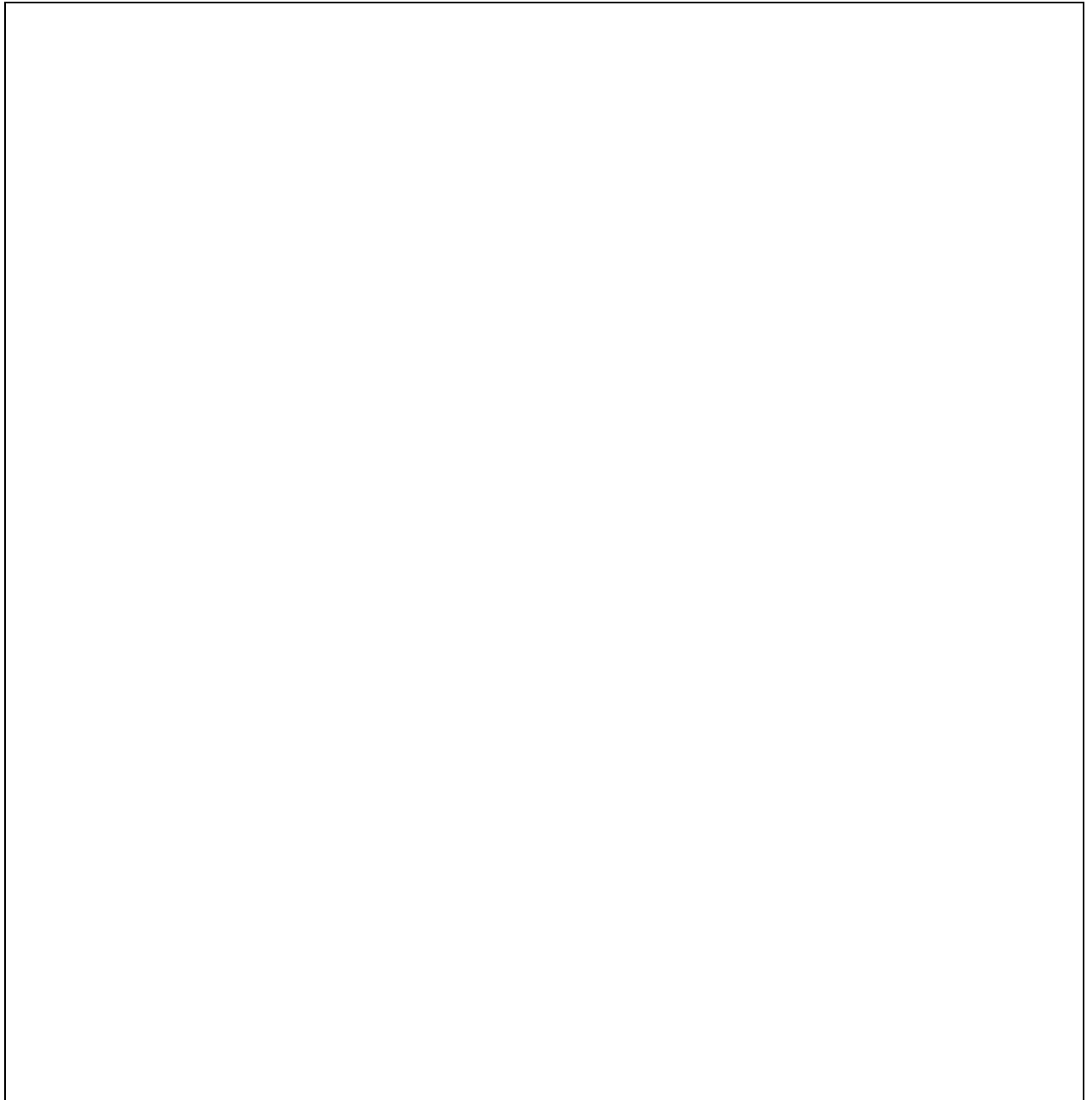
Vcc connection is not needed [Reference: [Forum thread](#)]

Linksys WRT110

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Linksys WRT160NL



Linksys WRT350N v2.0

J5

vcc o
tx1 o
rx1 o
gnd o

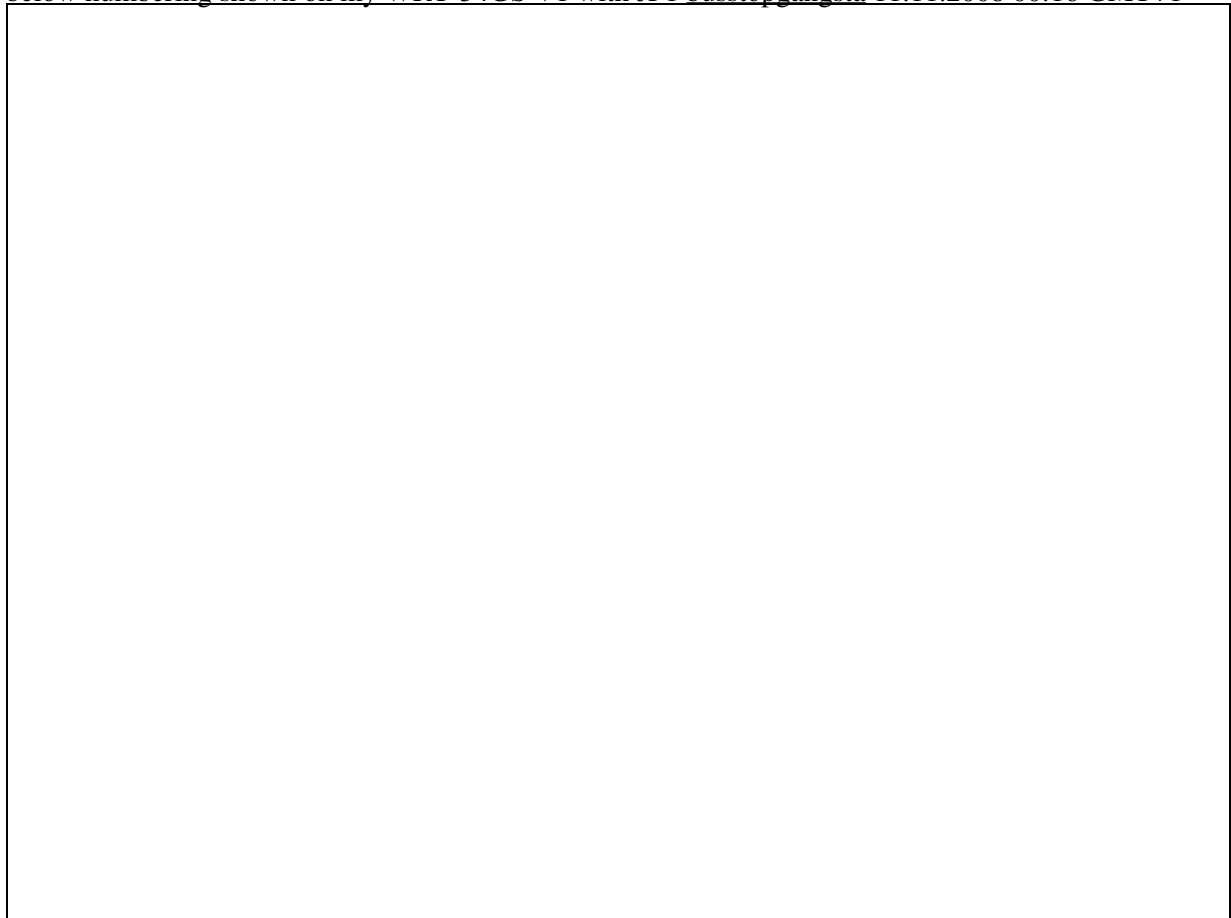
Linksys WRT54G(S,L)

JP1 or JP2 (on newer models)

```
vcc 1-2 vcc |  
tx1 3-4 tx0 |  
rx1 5-6 rx0 |  
... 7-8 ... |  
gnd 9-10 gnd |
```

(numbering as shown on the PCB at JP2 in my WRT54GL v1.1, [Rockus](#) 10:42, 25 May 2008 (CEST))

below numbering shown on my WRT-54GS V1 with JP1 busstopgangsta 11.11.2008 00:16 GMT+1



Motorola WR850G v2/v3

```
| tx o o vcc RJP1  
| o o  
| o o gnd  
| rx o o  
| o
```

Netgear WNR2000 v2/v3

The serial port is at JP1: 115200 8N1 at 3.3V.

- v2 (Broadcom BCM4716) pads from top to bottom, Ethernet ports above: [Vcc] [Tx] [-] [-] [Rx] [GND]
- v3 (Atheros AR7240) pads from left to right, Ethernet ports on right: [Vcc] [Tx] [Rx] [GND]

Senao ECB9500 / ECB9750



Sparklan WX6615GT

```
| ???o
| gnd o o rx
| gnd o o
| vcc o o
| vcc o o tx
|           J5
```

TP-Link TL-WR941ND v3

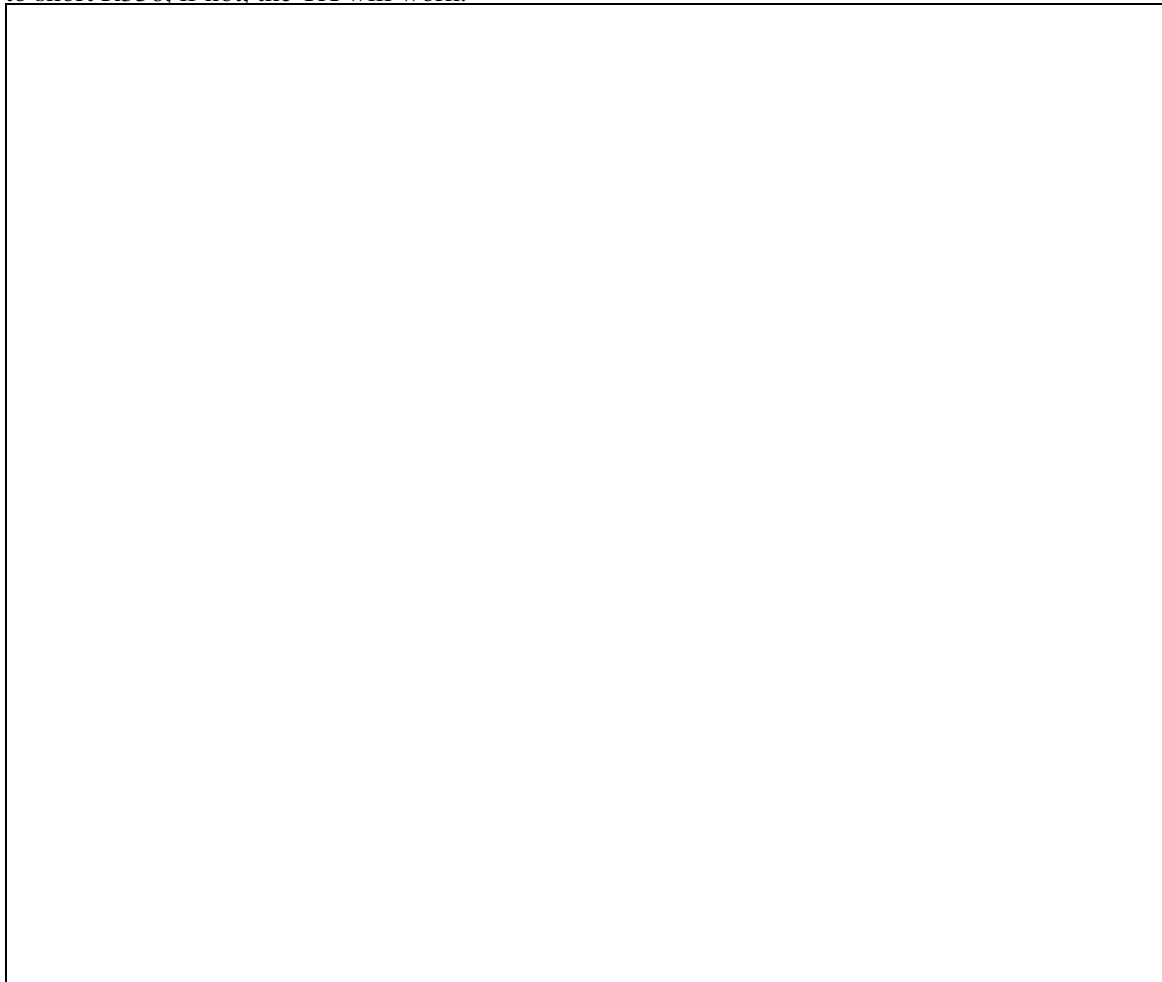
Connector P1 (see picture)

tx	o	
rx	o	
gnd	o	
vcc	o	

Login: "ap71"

Optional login: "root" Password: "5up"

The serial port runs at 115200 baud, 8 bits, no parity, 1 stop bit using ANSI terminal emulation. Levels are not RS232 voltage levels, but +3.3V TTL logic. Use level shifter (Max232/Max3232/DS275 etc.) to correct this. Also a USB to serial phone cable will work in most cases. A cable with a Prolific 2303 works fine. You have to short R356, if not, the TX will work.



External Links

- [Original source of this page on the DD-WRT forums](#)