

Here is my guide to getting a Sony PSP to work with DD-WRT V24 (or higher) running WPA2, based on my WRT54GS V1.1

It also includes instructions on getting Remote Play working effectively

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Assumptions

- You have a DD-WRT V24 (or higher) enabled router with (minimum) 802.11b support
- You already have a WLAN configured with an SSID
- You are using WPA2 AES security
- Your WLAN has DHCP enabled
- You have a Sony PSP with an [official PSP battery](#)

If you want to use Remote Play, then it's also assumed :

- You have a PS3
- You have registered the PSP with the PS3 (more information on that is available from Sony at <http://manuals.playstation.net/document/en/ps3/current/settings/registerdevice.html>)

Getting your PSP online

Router Instructions

On your router, do the following :

Wireless > Basic Settings

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Set **Wireless Network Mode** to *Mixed*, click **Save** and then click **Apply Settings**

The PSP is 802.11b only, so you need to ensure both b & g (and n, depending on your router) devices can talk on your network)

Wireless > Wireless Security

Set **Security Mode** to *WPA2 Personal Mixed*, click **Save** and then click **Apply Settings**

The PSP (as of FW 5.51) does not handle WPA2 well (if at all). *WPA2 Personal Mixed* mode will allow both WPA2 & WPA capable clients to connect

Wireless > MAC Filter

If you are **not** using MAC filtering, skip this part.

If you **are** using MAC filtering, then you need to add your PSP MAC to your filter list.

- ◇ Click the **Edit MAC Filter List** button
- ◇ On your PSP, go to **Settings > System Settings > System Information**, and your MAC address will be displayed
- ◇ Enter the PSP MAC into the routers MAC filter list, then click **Save** and then click **Apply Settings**

NOTE : If you are using a WDS setup, you **must** complete this step on all routers in the mesh.

PSP Instructions

If you have not already setup your WLAN profile on your PSP, do the following :

Settings > Network Settings

- ◇ Select *Infrastructure Mode*
- ◇ Select *<New Connection>*
- ◇ Select *Enter Manually*
- ◇ Enter your *SSID*
- ◇ Select *WPA-PSK (AES)*
- ◇ Enter your *WPA Key*
- ◇ Select *Easy*
- ◇ Enter a name for this connection
- ◇ Save the connection

Your PSP should now be able to join your WLAN (either try a test, or start your PSP Internet Browser).

Remote Play

Assuming you have done the above and got your PSP online, and you now want to enable Remote Play, do the following...

PS3 Instructions (pt 1)

Settings > Network Settings > Settings and Connection Status List

◇ Copy down your PS3's *MAC address*

Router Instructions

NOTE: If you have **not** given your PS3 a static IP address, it is wise to do so, or ensure it is given a fixed IP from DHCP. If you are using DHCP and wish to assign the PS3 a static IP - on the router providing DHCP for your LAN, go to :

Services > Services

- ◇ Under **Static Leases** create an entry for the PS3 :
 - Under **MAC Address** enter the PS3 MAC address
 - Under **Host Name** enter *PS3*
 - Under **IP Address** enter the static LAN IP address you wish to use for the PS3
- ◇ Click **Save** and then click **Apply Settings**

Now, on the router acting as your internet gateway, go to :

NAT/QoS > Port Forwarding

- ◇ Under **Application** enter *PS3*
- ◇ Under **Port from** enter *9293*
- ◇ Set **Protocol** to *Both*
- ◇ Under **IP Address** enter the IP address you assigned to your PS3
- ◇ Under **Port to** enter *9293*
- ◇ Ensure **Enable** is checked

Administration > Commands

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- ◇ Under **Firewall**, click the **Edit** button (this ensures you do not delete anything already present in the Firewall section)
- ◇ Add the two following lines into the **Commands** box...(do not delete anything already therein)

```
ip neigh change 192.168.1.xxx lladdr 00:00:00:00:00:00 nud permanent dev br0  
ip neigh add 192.168.1.xxx lladdr 00:00:00:00:00:00 nud permanent dev br0
```

...where **192.168.1.xxx** is the LAN IP address you assigned to the PS3, and **00:00:00:00:00:00** is the PS3's MAC address.

- ◇ Click **Save Firewall**

The above commands permanently map your PS3s MAC address to it's IP in your router ARP table. This is very useful if you have multiple routers, as it means your gateway router will always forward Remote Play "wakeup" packets to your PS3. You should also find it stops your PS3 randomly waking up! (which happens sometimes)

PS3 Instructions (pt 2)

Settings > Remote Play Settings > Remote Start

Select **Ok**, then select **<Enable Remote Start via the Internet>** (ensure it is checked)

More information on Remote Start is available from Sony at <http://manuals.playstation.net/document/en/ps3/current/settings/remotestart.html>

You should now be able to use Remote Play from your PSP, using your WLAN connection to test if it's working (obviously switch your PS3 off first to check Remote Start is working as intended)