

T-Home IPTV over wireless bridge

WLAN Bridging Diagram

Disclaimer: I have not tried this setup with a real wlan-bridges as I dont own enough wireless devices to actually test it. I hope the wlan bridge will pass through PPPOE traffic. This setup can also be used to bridge other non-multicast enabled devices as well.

Setup

```
X-300T <- LAN ->  
Speedport 700V/701V <- LAN VLAN.7 ->  
WLAN Bridge <- WIRELESS ->  
WLAN Bridge <- LAN ->  
Linux Router <- LAN VLAN.7 ->  
Speedport 300HS <- INTERNET ->
```

VLANS

```
vconfig add eth0 7
```

We have a [pppoe-server](#) running on our Linux box, answering to dial up requests from the Speedport.

```
pppoe-server -L 192.168.0.5 -R 192.168.0.6 -I eth0.7 -T 0 -d  
             ^ Local PPTP   ^ Router IP   ^ Internal IFACE
```

The Local PPTP IP will be the IP of the pppX interface, like your modem ppp0/dsl0 interface gets a local and remote ip which is not the same as the nic-interface ip the modem is connected to. Likewise, router ip is the IP assigned to the Speedport 700V / Speedport 701V after dialup.

Since all IPTV traffic is encapsulated in PPPOE, it should not be a problem to route the traffic over a non-multicast enabled network.

If you based your router setup on [T-Home IPTV without speedport W 700V](#) you have to change the downstream interface to pppX