

# ITRAINONLINE MMTK

## *Additional resources: Wireless Client Installation*

Developed by: Tomas B. Krag <[t@wire.less.dk](mailto:t@wire.less.dk)> (Linux)  
Bruno Roger, ESMT (Windows)

---

### Part A: Linux

#### Online resources

##### *General*

Roger Weeks, Edd Dumbill, Brian Jepson: "Linux Unwired" O'Reilly Associates  
<http://www.oreilly.com/catalog/lnxunwired/>

Wireless devices and their chipsets and drivers:  
[http://www.linux-wlan.org/docs/wlan\\_adapters.html.gz](http://www.linux-wlan.org/docs/wlan_adapters.html.gz)

##### *Wireless drivers*

hostap for prism2/2.5/3: <http://hostap.epitest.fi/>  
Madwifi: <http://www.mattfoster.clara.co.uk/madwifi-faq.htm>  
Orinoco: <http://www.nongnu.org/orinoco/>  
ndiswrapper: <http://ndiswrapper.sourceforge.net/>  
Linuxant: <http://www.linuxant.com/driverloader/>  
Intel wireless/PRO 2100: <http://ipw2100.sourceforge.net/>  
Intel wireless/PRO 2200: <http://ipw2200.sourceforge.net/>  
prism54: <http://www.prism54.org/>  
Cisco airo: <http://sourceforge.net/projects/airo-linux/>  
More info: <http://www.seattlewireless.net/index.cgi/LinuxDrivers>

##### *Software*

###### **Ubuntu Linux**

<http://www.ubuntulinux.org/>

###### **Mandrake Linux**

<http://www.mandrakelinux.com/>

###### **Red-Hat NetworkManager**

<http://people.redhat.com/dcbw/NetworkManager/>

Using the awesome power and flexibility of [dbus](#) and [hal](#), NetworkManager provides facilities for other desktop applications like browsers and email clients to be aware of the network's state and adjust their operation accordingly for features like offline operation.

### **KwifiManager**

<http://kwifimanager.sourceforge.net/>

With the application KWiFiManager you can configure and monitor your wireless LAN PC-Cards under Linux/KDE.

### **Wifi Radar**

[http://www.bitbuilder.com/wifi\\_radar/](http://www.bitbuilder.com/wifi_radar/)

**WiFi Radar** is a [Python/PyGTK2](#) utility for managing WiFi profiles.

### **Wireless tools (iwconfig etc)**

[http://www.hpl.hp.com/personal/Jean\\_Tourrilhes/Linux/Tools.html](http://www.hpl.hp.com/personal/Jean_Tourrilhes/Linux/Tools.html)

The Linux Wireless Extension and the Wireless Tools are an **Open Source project** sponsored by [Hewlett Packard](#) (through my contribution) since 1996, and build with the **contribution of many Linux users** all over the world.

### **WPA on Linux (WPA\_Supplicant)**

[http://hostap.epitest.fi/wpa\\_supplicant/](http://hostap.epitest.fi/wpa_supplicant/)

wpa\_supplicant is a WPA Supplicant for Linux, BSD and Windows with support for WPA and WPA2 (IEEE 802.11i / RSN). Supplicant is the IEEE 802.1X/WPA component that is used in the client stations. It implements key negotiation with a WPA Authenticator and it controls the roaming and IEEE 802.11 authentication/association of the wlan driver.

### **OpenSSH**

<http://www.openssh.com/>

OpenSSH is a **FREE** version of the SSH protocol suite of network connectivity tools that increasing numbers of people on the Internet are coming to rely on.

### **IPSec**

<http://www.ipsec-howto.org/>

The Official IPSec How-To for Linux

### **Linux PPTP Client**

<http://pptpclient.sourceforge.net/>

PPTP Client is a Linux, FreeBSD, NetBSD and OpenBSD client for the proprietary Microsoft Point-to-Point Tunneling Protocol, PPTP. Allows connection to a PPTP based Virtual Private Network (VPN) as used by employers and some cable and ADSL internet service providers.

### **OpenVPN**

<http://openvpn.net/>

OpenVPN is a full-featured SSL VPN solution which can accommodate a wide range of configurations, including remote access, site-to-site VPNs, WiFi security, and enterprise-scale remote access solutions with load balancing, failover, and fine-grained access-controls

### **GPS Drive website**

<http://www.gpsdrive.cc/>

**GpsDrive** is a car (bike, ship, plane) navigation system. GpsDrive displays your position provided from your NMEA capable GPS receiver on a zoomable map, the map file is autoselected depending of the position and preferred scale.

### **prismstumbler**

<http://prismstumbler.sourceforge.net/>

Wellenreiter is a wireless network discovery tool for Prism2 based cards.

## Wellenreiter

<http://www.wellenreiter.net/>

Wellenreiter is a wireless network discovery and auditing tool. Prism2, Lucent, and Cisco based cards are supported.

## Books/articles

Edd Dumbill, Brian Jepson, Roger Weeks,

### “Linux Unwired”

April 2004, O'Reilly

*Linux Unwired is a one-stop wireless information source for on-the-go Linux users. Whether you're considering Wi-Fi as a supplement or alternative to cable and DSL, using Bluetooth to network devices in your home or office, or want to use cellular data plans for access to data nearly everywhere, this book will show you the full-spectrum view of wireless capabilities of Linux, and how to take advantage of them.*

Rob Flickenger

### Wireless Hacks

September 2003, O'Reilly

*Written for the intermediate to advanced wireless user, Wireless Hacks is full of direct, practical, ingenious solutions to real-world networking problems. Whether your wireless network needs to extend to the edge of your office or to the other end of town, this collection of non-obvious, "from the field" techniques will show you how to get the job done.*

## Part B: Windows

### Online resources

#### How to set up your computer for wireless networking in Windows XP

<http://support.microsoft.com/default.aspx?scid=kb;en-us;314897&sd=tech>

Last accessed 6 November 2005

#### How To Install the Client for Microsoft Networks

<http://compnetworking.about.com/cs/windowsnetworkin1/ht/client4msnet.htm>

Last accessed 6 November 2005

#### Install Windows 2000 Drivers and Utilities for the Cisco Aironet 340/350 Series Client Adapters

[http://www.cisco.com/en/US/products/hw/wireless/ps458/products\\_tech\\_note09186a0080094cf9.shtml](http://www.cisco.com/en/US/products/hw/wireless/ps458/products_tech_note09186a0080094cf9.shtml)

How to install the CISCO Aironet card on Windows 2000

Last accessed 6 November 2005

#### ORiNOCO Wireless Card Install/Setup Instructions

<http://www.willamette.edu/wits/resources/docs/network/wireless/orinoco.htm>

Drivers and procedure to install ORINOCO cards on Windows

Last accessed 6 November 2005

#### Network Setup: Install a Simple Peer-to-Peer Wireless Network

[http://www.utexas.edu/its/wireless/install/install\\_peer.html](http://www.utexas.edu/its/wireless/install/install_peer.html)

Guide on how to setup a peer-to-peer wireless network for file sharing or network gaming at home.

Last accessed 6 November 2005

### **Wireless Ethernet Networking for Windows NT**

[http://www.cmu.edu/computing/documentation/wireless\\_nt/Wire\\_WinNT.html](http://www.cmu.edu/computing/documentation/wireless_nt/Wire_WinNT.html)

Carnegie Mellon University documentation about wireless networking on WinNT platforms.

Last accessed 6 November 2005

### **Books/articles**

#### **Wireless Home Networking for Dummies**

by Danny Briere, Pat Hurley, Walter Bruce

"Welcome to Wireless Home Networking For Dummies...?"

Publisher: For Dummies (May 27, 2003)

ISBN: 0764539108

#### **802.11 Wireless Networks: The Definitive Guide**

Creating and Administering Wireless Networks

Editor: O'Reilly

By Matthew Gast

1st Edition April 2002

ISBN: 0-596-00183-5

#### **Building Wireless Community Networks, 2nd Edition**

by Rob Flickenger

176 pages

Publisher: O'Reilly; 2 edition (June 23, 2003)

ISBN: 0596005024

#### **Windows XP Home Networking**

by Paul Thurrott

480 pages

Publisher: Wiley; 1 edition (July 17, 2002)

ISBN: 0764536753