

Introduction

The iBOX has several possibilities for connection:

1. Direct to PC using a cross ethernet cable
2. Connection to a Local Area Network (LAN), via router
3. Connection to a Wireless Local Area network (WLAN)
4. Connection to a wide Area Network (WAN), via internet
5. Connection to a Wireless Wide Area Network (WWAN), using a wireless GPRS router

For application of options 1,2,3 see the iBOX manual. For option 5 see separate instructions.
This application note concerns option 3: connection to a WLAN

iBOX with Wireless LAN (WLAN) connection (using WiFi)

Equipment: iBOX, router with 4 port + WiFi type WRT54 (Linksys), Wireless Access Point: WAP (Linksys)

Example of possible Structures: ---- = wired >>>>= wireless

A. Wired connection between iBOX and wireless router

iBOX 1---- ROUTER WRT54 (Linksys) >>>>>wireless network connection to other wireless PC's

iBOX 2----

iBOX n----

- optional switch for expansion
- internet connection via router internet port possible

B. Wireless network connection between iBOX and router

With 2 Wireless Access Points (WAP Linksys) each iBOX has a wireless connection to the router!

IBOX A----WAP1A>>>>>WAP2A---ROUTER WRT54 (Linksys) >>>>>wireless network connection to other wireless PC's

IBOX B----WAP1B>>>>>WAP2B---

IBOX N----WAP1N>>>>>WAP2N---

- optional switch for expansion
- internet connection via router internet port possible

Detailed instructions are available with the delivery.