

**NEW!**

- Internet telephony PBX system with built-in VoIP technology
- Connects to ADSL, ISDN and analog phone lines
- Internet telephony without a PC, using existing analog phones
- Intelligent bandwidth management for optimum voice quality
- Secure wireless connectivity via WLAN

## AVM FRITZ!Box Fon WLAN

### Surf the Web and Make Phone Calls Over the Internet With One Device

FRITZ!Box Fon WLAN combines a broadband router with a VoIP and PSTN PBX. FRITZ!Box Fon WLAN connects two analog terminal devices to Internet and PSTN. For fixed-line telephony, FRITZ!Box Fon WLAN supports analog and ISDN lines. FRITZ!Box Fon WLAN also provides dual mode Internet access, through an ADSL modem or via Ethernet (similar to the "ATA" mode of operation).

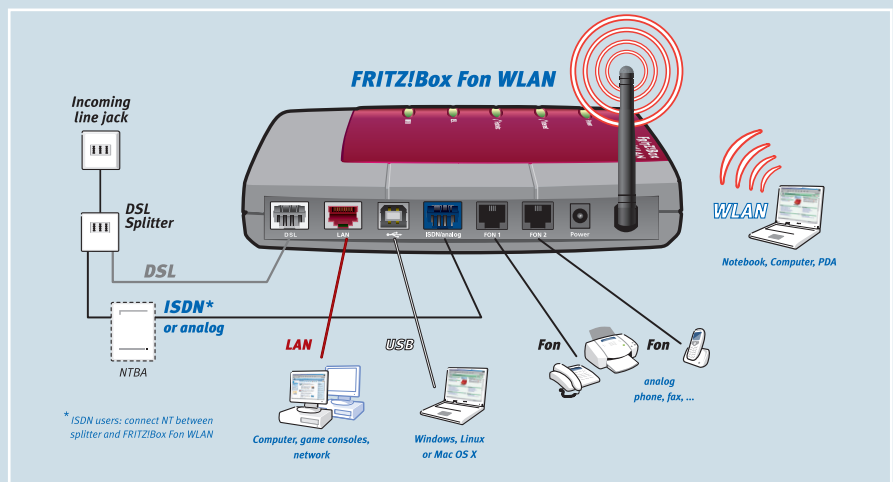
FRITZ!Box Fon WLAN provides an Ethernet interface to connect additional computers or networking devices and a USB port. In addition, clients conforming to 802.11g/b can be integrated to form a local wireless network.

Color-coded cables and sockets, a concise quick-start guide, and a CD-driven, interactive set-up (including WLAN installation) make getting started significantly easier. The user interface is a clearly structured, web-based front-end. The PBX is also operable by means of telephone key codes. The software package FRITZ!Box Fon WLAN Start Center, optionally installed with the FRITZ!Box Fon WLAN setup, is based on UPnP and provides additional benefits.

### Internet Telephony Without a Computer

FRITZ!Box Fon WLAN makes Internet telephony as easy as a phone call should be. After registration with an Internet telephony provider, the connected phones can be used for incoming and outgoing calls with all the convenience you are used to. Moreover, FRITZ!Box Fon WLAN provides the features of a conventional PBX system, including

Caller ID, call forwarding and three-party calls. At the same time, you can continue receiving calls at your present phone number thanks to FRITZ!Box Fon WLAN's connection to the telephone line. This award-winning architecture drastically simplifies VoIP marketing for service providers. For broadband customers, it simplifies getting started in Internet telephony. AVM is one of Europe's leading manufacturers of ISDN PBXs and ADSL terminal equipment.





### Convenient and Secure ADSL Router

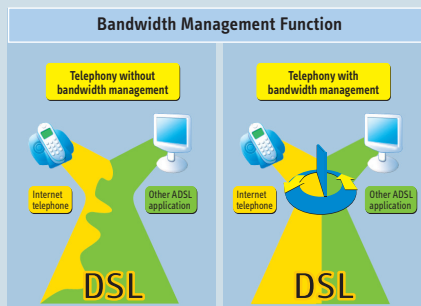
FRITZ!Box Fon WLAN connects one or more computers to the ADSL line – simply and securely – through a USB or LAN cable or wireless via WLAN. The built-in firewall adds security to high-speed surfing. FRITZ!Box Fon WLAN works either as an ADSL modem or as a modern router to enable simultaneous surfing from several computers. Other network devices can also be connected to FRITZ!Box Fon WLAN including game consoles, network switches or IP telephones. Its built-in NAT firewall capabilities protect against unauthorized access from the Internet and factory-activated encryption prevents intruders accessing the WLAN network. Features such as easily configured port forwarding and traffic shaping for optimized use of bandwidth add additional value.

#### Firewall:

- Full-inspection firewall
- Network Address Translation (NAT)
- IP masquerading
- Port forwarding
- TÜV-certified security

### Smart Bandwidth Management for Quality of Service and Performance

FRITZ!Box Fon WLAN provides optimum quality of service and performance through integrated bandwidth management. This advanced router function monitors incoming and outgoing data traffic over the ADSL line and ensures that telephone communication over the Internet is not impeded by simultaneous web surfing. All uploads and downloads are adjusted to the remaining available bandwidth. In this way, multiple Internet phone calls can be conducted simultaneously without any interference.



- Traffic shaping: optimized uploads and downloads
- Priority for VoIP traffic
- Limits upload and download bandwidth during Internet phone calls
- When telephony capacity is exhausted, callers receive busy signal

### PBX Features for VoIP

FRITZ!Box Fon WLAN provides many PBX features, including call waiting, call forwarding, three-party calls, and more, both for fixed-line and for Internet calls. The combination of fixed-line and Internet telephony permits new uses, such as the call-through function to permit calls over the Internet from mobile phones. Furthermore, FRITZ!Box Fon WLAN supports convenient phone line features, both over the fixed-line and over VoIP. Features supported by SIP include three-party calls (3PTY), external call transfer (ECT), call diversion, and message waiting indication (MWI).

FRITZ!Box Fon WLAN is also available with an additional ISDN S<sub>0</sub> NT interface with which existing ISDN telephones or PBXs connected, thus making those devices VoIP enabled.

## Technical Details

### FRITZ!Box Fon WLAN

- PBX with two analog extensions
- SIP module for VoIP
- Connects to ISDN
- Wireless Router
- ADSL modem
- Firewall

### PBX

- Assign dial-in numbers to the extensions
- Dialing rules for fixed-line and Internet calls
- Carrier preselect for fixed-line calls
- 100 speed-dialing numbers for Internet and fixed-line calls
- PBX linking and "Call through" functions
- Hardware option: With additional ISDN S<sub>0</sub> NT interface (FRITZ!Box Fon WLAN 7050)

### Supported Features

ISDN and VoIP

- Internal call forwarding
- External call forwarding
- Three-party calls
- Hold, alternate between calls, suspend and resume
- Caller ID suppression (CLIR)
- Caller ID (CLIP)
- Internal and external call transfer (ECT)
- Call waiting
- Busy on Busy

### VoIP

- Protocols: SIP, SDP, RTP
- Codecs: G.711 A-law, G.711  $\mu$ -law, G.726-40, G.726-32, G.726-24, iLBC
- Dynamic codec management
- Use up to 10 SIP accounts
- Silence suppression
- Packet loss concealment (PLC)
- Dynamic jitter buffer
- Echo cancellation
- QoS: ToS, DiffServ

### Router Functions

- DHCP server
- Traffic shaping
- DynDNS client
- NAT firewall
- Port forwarding

### More Features

- Archive call lists
- Night Service
- Push Service
- Click to Dial
- Alarm

