



- 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
- ADSL modem with firewall and port forwarding

AVM FRITZ!Box Fon

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

FRITZ!Box Fon combines an ADSL modem and a PBX system for analog extension phones in one device. The ADSL modem with VoIP (Voice over IP) technology can be used both for Internet telephony and for web surfing, e-mail, and chats—from one or more PCs. The PCs can be connected to a LAN port or to a USB interface. FRITZ!Box Fon also connects to ISDN or an analog telephone line for incoming and outgoing phone calls.

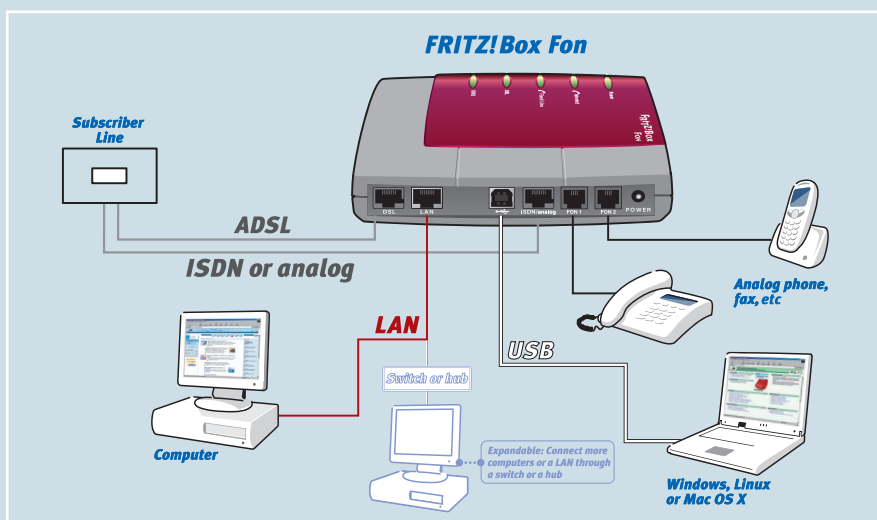
Internet Telephony Without a Computer

FRITZ!Box Fon 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 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's connection to the telephone line.

Convenient and Secure ADSL Router

FRITZ!Box Fon connects one or more computers to the ADSL line—simply and securely, through a USB or LAN cable. The built-in firewall adds security to high-speed surfing. FRITZ!Box Fon works either as an ADSL modem, allowing you to surf the Web from several computers simultaneously. Its built-in firewall capabilities protect all PCs

against unauthorized access from the Internet, and FRITZ!web Protect reliably prevents unwanted Internet use. Other network devices can also be connected to FRITZ!Box Fon including game consoles, access points, network switches, or an IP telephone. The Ethernet and USB interfaces can be used to connect individual PCs and whole networks to the ADSL line. The router supports





both PPPoE connections in bridge mode, such as those initiated by dial-in access software, and simple IP routing. And the powerful firewall with NAT makes it easy to configure port forwarding. Moreover, traffic shaping ensures continuous use of the full bandwidth during simultaneous uploads and downloads.

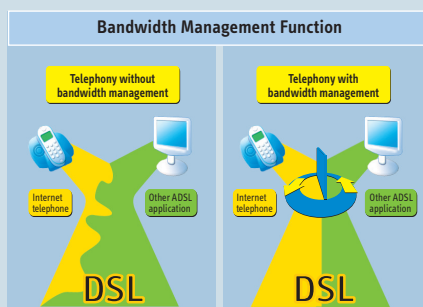
Firewall:

- 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 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



ISDN Features for VoIP

FRITZ!Box Fon 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 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).

Technical Details:

FRITZ!Box Fon

- PBX with two analog extensions
- SIP module for VoIP
- Connects to ISDN
- Connects to POTS
- 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

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, and more

VoIP

- Protocols: SIP, SDP, RTP
- Codecs: G.711 A-law, G.711 μ -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

