

# 1 How to use Internet Speed Meter

Rough instructions for Setup from Windows 7. Linux Users will probably know how to adapt anyway :P

## You need

- Fritz!Box (tested with model 7390)
- Working Internet Connection (tested with DSL 50.000 from 1&1)
- Speed Meter with Micro USB cable
- Raspberry Pi 1 Model B
- SD card with sytem setup after instructions "How to build your own Internet Speed Meter"
- Ethernet cable
- Micro USB Power Supply (ca. 1200 mAh)
- (Optional:) HDMI cable + Monitor
- (Optional:) USB keyboard

## Power up the Pi

- Make sure SD card with system and USB cable to Speed Meter are connected
- Use ethernet cable to connect the Speed Meter to your local LAN with the Fritz!Box
- (Optional) connect Monitor over HDMI and keyboard over USB
- Connect micro USB power cable (e.g. ca. 1200 mAh)

## Start the speed meter

- boot up the raspberry pi
- Start Raspbian in one of the following three ways:
  1. raspbian will start.
  2. If not start manual with "startx"
  3. OR connect via virtual desktop if xrdp was installed previously
    - start "Remotedesktopverbindung" in Windows 7
    - enter IP address of the raspberry pi
    - login with user "pi" password "raspberrry"
- Select: Menu - Programming - Python 2
- In Python Shell select: File - Open - /home/pi/SpeedMeter/SpeedMeter.py
- Run code by pressing F5

Done!