Welcome to Bandwidth Meter 2001 version 2.0

Thanks for choosing Bandwidth Meter 2001!

If you've ever been curious about your bandwidth usage, this tool is for you.   Bandwidth Meter 2001 can do a number of things ranging from viewing your current bandwidth usage to checking out your current connections.

How can this program help you?
 • Are you getting the speeds your provider promises?
 • Is someone connecting to your computer that shouldn't be?
 • No lights on your connection device? No problem, look in your system tray.

 • Real-time statistical information along with per-session information.
 • Be alerted when you either download or upload too much or too little, with user-defined alerts!

Confused how to use Bandwidth Meter 2001?   Click below for information.
 • How to use the Popup Menu
 • How to use the TCP Connection Monitor
 • Frequently Asked Questions

What's new in this version?

What's new in version 2.0?
 We've changed a lot in ths version.   See the list below.
- Network adapter selection: Select up to 8 devices to monitor.
- Now compatible with Windows 95/98/NT/2K
- Bulky interface replaced with a smaller, more professional interface.
- Functions and options are now on a pop-up menu.
- Built-in traceroute added.
- TCP Connection Monitor added - view connections to and from each IP.
- Support for both dial-up and broadband devices, including ethernet.

- Stopwatch interface improved.
- Now can be hidden in tray icon.
- Better send/recieve icon.
- and many other bug fixes.

What's new in version 1.0.5?
Primary release.

System Requirements

System requirements for Bandwidth Meter 2001:
Microsoft Windows 95, Windows 98, Windows NT 4.0 or Windows 2000.
Microsoft TCP/IP Protocol.
About 2.5 MB of free disk space

Frequently Asked Questions (FAQ)

Question: Bandwidth Meter 2001 isn't working!   What should I do?

Answer: Send an email to bugs@tzsoftware.com with a description of your computer, operating system, and updated done to the operating system, type of internet connection, the version of Bandwidth Meter you're using, and a full description of the problem.   Any extra information you with to provide would be helpful.

Glossary of Terms

If you're confused or interested about an acronym or term you've seen, look it up below.

Bandwidth: How much can be send through a connection. Usually measured bits-per-second. A full page of English text is about 16,000 bits. A fast modem can move about 15,000 bits in one second. full-motion full-screen video would require roughly 10,000,000 bits-per-second, depending on compression. See also: *56k line, bps, bit, and T-1*

Bit: (Binary DigIT) -- A single digit number in base-2, in other words, either a 1 or a zero. The smallest unit of computerized data. Bandwidth is usually measured in bits-per-second. See also: *bandwidth, bps, byte, kilobyte, and megabyte.*

Bps: (Bits-Per-Second) -- A measurement of how fast data is moved from one place to another. A 28.8 modem can move 28,800 bits per second. See also: bandwidth, and bit
Byte: A set of Bits that represent a single character. Usually there are 8 Bits in a Byte, sometimes more, depending on how the measurement is being made. See also: *bit*

Download (DL): To transfer information stored in a remote computer to your (local) microcomputer.

Gigabyte: 1024 Megabytes See also: *byte, megabyte*

Kbps: 1024 (or kilo) Bits Per Second: A measure of the speed of transmission of computer data. See also: *baud*.

Kilobyte (Kb): A thousand bytes. Actually, usually 1024 (2^10) bytes. See also: *byte, bit*

Mbps: 1024 (or kilo) Bytes Per Second: 1 Mbps = 1024 kbps = 1024 bps.. See also: *baud*.

Megsbyte (Kb): A thousand kilobytes. i.e. 1 MB = 1048576 bytes.. See also: byte, bit
T-1: A leased-line connection capable of carrying data at 1,544,000 bits-per-second. At maximum theoretical capacity, a T-1 line could move a megabyte in less than 10 seconds. That is still not fast enough for full-screen, full-motion video, for which you need at least 10,000,000 bits-per-second. T-1 is the fastest speed commonly used to connect networks to the Internet.

TCP/IP: (Transmission Control Protocol/Internet Protocol) -- This is the suite of protocols that defines the Internet. Originally designed for the UNIX operating system, TCP/IP software is now available for every major kind of computer operating system. To be truly on the Internet, your computer must have TCP/IP software.
Terabyte: 1024 gigabytes. See also: *byte, megabyte, gigabyte*

Upload (UL): The opposite of download. See also: *download*

License and disclaimer

<u>Disclaimer:</u>

While ThreeZee Software makes every effort to deliver high quality products, we do not guarantee that our products are free from defects. Our software is provided "as is," and you use the software at your own risk.

We make no warranties as to performance, merchantability, fitness for a particular purpose, or any other warranties whether expressed or implied.

No oral or written communication from or information provided by ThreeZee Softwre shall create a warranty.

Under no circumstances shall ThreeZee Software be liable for direct, indirect, special, incidental, or consequential damages resulting from the use, misuse, or inability to use this software, even if ThreeZee Software has been advised of the possibility of such damages.

Certain programs, including and especially beta software, may send statistics to our server for diagnostics. These statistics do not contain and personal information.

These exclusions and limitations may not apply in all jurisdictions. You may have additional rights and some of these limitations may not apply to you.

<u>License:</u>

Bandwidth Meter 2001 version 2.0 is licensed as freeware.   It is free for use for both home user and commercial use.   You may freely redistribute this product as long as it is in its original form, with no files added or removed.   If you'd like to make a donate to reward the work done on this program, please email donate@tzsoftware.com.

Contact Information

E-mail:

bugs@tzsoftware.com - Bug tracking team

support@tzsoftware.com - General software support and questions

threezee@tzsoftware.com - Lead Programmer

beta@tzsoftware.com - Beta testing information

info@tzsoftware.com - General information

donate@tzsoftware.com - Donation information

Using the Popup menu

To use the popup menu, you can either right-click the mouse over the main window, or right-click on the tray icon.

The menu layout is as follows:

• Options	General program options
- • Stay on top	Keeps main window on top of other windows
- • Tray Icon	Show transfer information icon in system tray
- • Display Units	How to display upload/download information
- - • Kb/sec	Kilobytes per second
- - • kbps	Kilobits per second
• Tools	Functions and tools
- • Configuration	Adapter configuration
- • Bandwidth Analyzer	Show your max broadband on a scale of comparison
- • Stopwatch	Open the stopwatch
- • TCP Monitor	Monitor all current TCP connections, can be filtered by IP.
- • Alert Setup	Set up an alert for an event you specify.
- • Traceroute	Trace the path your IP takes to another IP.
• Live Session Information	
* View all the current information since last session reset.	
• Web Pages	
- • ThreeZee Software Website - http://www.tzsoftware.com	
- • Bandwidth Meter 2001 - http://www.tzsoftware.com/software/bwmeter/	
• Hide/Show	Hide window in icon, show window.
• Exit	Exit the program entirely.

TCP Connection Monitor Help

The TCP Connection Monitor is designed for ease of use. Below is a list of what each object is and what it does.

•• TCP Connections ••

 - The list contains connections matching your criteria.
 - By unchecking the box, it will cause the list only to be manually refreshed.

•• Options / Manual Refresh ••

 Definitions:

• <u>LISTEN Sockets:</u> Sockets waiting for a connection on the specified IP.
• <u>ESTABLISHED Sockets:</u> Sockets with an established TCP connection to the remote address.
• <u>Other sockets:</u> This is used to show sockets who are neither of the above.
                i.e. SYN_SENT or CLOSING

• The check boxes allow you to specify to any or all of them to show in the list.

• Only show selected IP
  - You must first select an IP from the listbox below.   After that, check this box
  -   to have the list only show connections with this local address.

• Refresh List Now
  -   This can be clicked to update then list.   Useful of not set to auto-update.

• Traceroute an IP
  -   This is a shortcut to the built-in traceroute, which can be used to see your route to another IP.