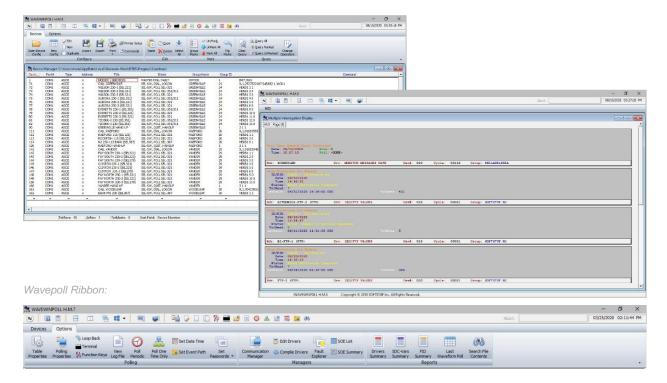
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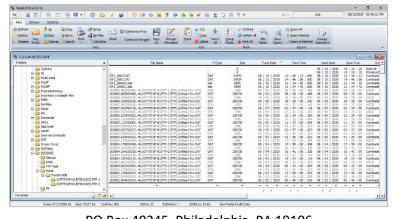


Product Description

The software is used to collect protection data from various types of protection devices such as numerical relays, disturbance recorders, event recorders, digital meters, and smart sensors. The software includes an extensive library of polling drivers for both proprietary and standard protocols.

The collected data includes digital fault records, sequence of events records, metering logs, device settings, and health checks. The data is collected and managed in compliance with NERC requirements for Disturbance Monitoring Equipment.

The software also includes specialized applications for access control and password management providing compliance with NERC CIP requirements. The software also offers a powerful historian for display, management, query, and archival of protection data.

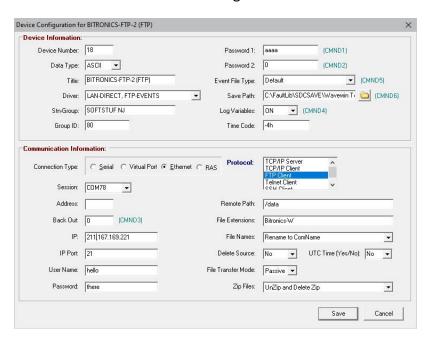


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Features

- Polls up to 2000 devices simultaneously (periodically or upon demand).
- Supports RS232, RS485, Modem (ASCII, Binary), and Ethernet communications (TCP/IP, FTP, Telnet).
- Supports both star and multi-drop network topologies and reports periodically or by exception.
- Provides health checks including communications integrity, access logs, and polling errors.
- Provides terminal interfaces with programmable function keys and escape sequences.
- Imports/Exports spreadsheets (CSV files) for rapid configuration development and maintenance.
- Interfaces to Active directory for username and password authentication.
- Supports IEEE Std. C37.232 (COMNAME)
 Common Format for Naming Time Sequenced Data.
- Supports IEEE Std. C37.111 (COMTRADE)
 Common Format for Transient Data Exchange.

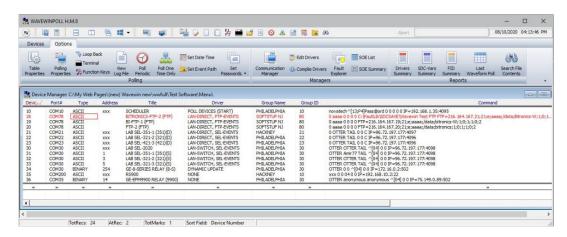


Wavepoll Tools

- Create and maintain multiple device configurations.
- Duplicate option for fast configuration.
- Export configurations to CSV format.
- Import configurations from CSV formats.

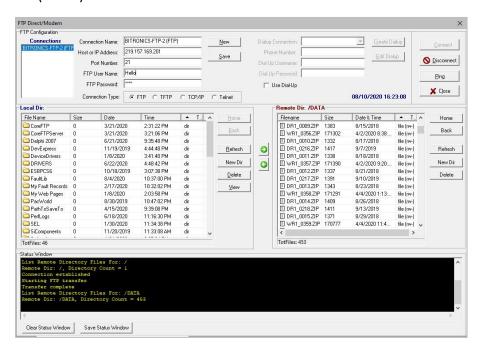
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- Archive and manage access and polling logs.
- Query and sort engines for user logs.
- Access devices with ASCII and Binary Terminals.
- Program function keys for manual polling.
- Program user scripts for automatic polling.



Connection Types

- Serial Ports RS232, RS422, and RS485
- Dialup Modems
- Virtual Serial Ports
- RAS (Remote Access Server)
- Ethernet (TCPIP)



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Protocol Types

- Proprietary Protocols for Relays and DFRs
- FTP (File Transfer Protocol)
- FTPS (Secure FTP)
- IEC61850 MMS (Manufacturer Message Specification)
- SFTP (SSH FTP)
- TCP/IP Server
- TCP/IP Client
- Telnet Client
- SSH Client

Requirements and Support Services

- Requirements The software works with Windows NT, 7, 10 and 2008/2012/2016 servers. The software requires 32MB of storage space and, depending on usage, may use up to 2GB of available memory. The software supports local and shared drives on the network, it is small, structured, and non-intrusive (does not modify any operating system files).
- **Technical Support** Standard technical support services are available through Softstuf at 800.818.3463 and support@softstuf.com, or through GridAI at 201.993.1169 and support@gridai.net.
- **Custom Services** for custom development services please contact the Softstuf support team at support@softstuf.com, or GridAl at support@gridai.net.
- **Training** Softstuf offers a variety of training classes, for information on these classes please use this link www.softstuf.com/wavewinclasses.html. For other training inquires please contact the Softstuf support team at support@softstuf.com.
- Warranties GridAI and Softstuf warrant that the software will substantially achieve the
 functionality as advertised and described in the Manuals. In the event any future
 deficiency is discovered in the software then GridAI and Softstuf shall at their own sole
 expense make the changes necessary to correct said deficiency within a reasonable time
 of being notified.
- New Devices GridAl and Softstuf will initially provide an extensive library of drivers for
 working with various types of event and fault data records from various types of
 numerical relays, digital meters, and fault recorders. In the event new drivers are
 requested then GridAl and Softstuf will develop said drivers at rates and lead times that
 are mutually agreed upon.

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Licensing and Upgrades

• Wavepoll is a standalone executable. Each copy requires activation and is downloaded from the website. Several trial runs are allowed before activation is required.

- The software can be installed on individual stations or on a network server. If used with a network server, then it will require an activation code per user account.
- Upgrades are available for download from the website, activation is also required.

Contact Us

Sales: sales@gridai.net
Phone: 201.993.1169

Hours: Monday thru Friday, 9:00 am to 5:00 pm EST

