



Device Manager Toolbar:



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.

Device Configuration for BITRONICS DIAL UP - 02

Device Information:

Device Number: 32 Password 1: aaaa (CMND1)
Data Type: BINARY Password 2: 0 (CMND2)
Title: BITRONICS DIAL UP - 02 Event File Type: Default (CMND5)
Driver: POLL BI EVENTS Save Path: C:\FAULTLIB\SDCSAVE (CMND6)
Strn-Group: SOFTSTUF MAIN OFFICE Log Variables: ON (CMND4)
Group ID: 10 Time Code: -5S

Communication Information:

Connection Type: ☐ Serial ☒ Virtual Port ☐ Ethernet ☐ RAS
Session: COM3 Parity: NONE
Address: 02 Data Bits: 8
Back Out: xxx (CMND3) Stop Bits: 1
Phone Number: 1.610-882-2192 (CMND) Flow Control: NONE
Baud Rate: 9600 Inter Char Delay: 0 msec

Save Cancel

Device Manager Tools

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

A Common Platform for Advanced Analysis

- 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.

Dev#	Port#	Type	Address	Title	Driver	Group Name	Group ID
1	COM1	ASCII	xxx	START SYSTEM	SYSTEM TIMER (START)	SOFTSTUF	50
2	COM1	ASCII	xxx	MONITOR MESSAGE PATH	MONITOR MESSAGES P...	SOFTSTUF	50
3	COM78	ASCII		BITRONICS-FTP-1	POLL FTP EVENTS	SOFTSTUF NJ	80
4	COM79	ASCII		BITRONICS-FTP-2	POLL FTP EVENTS	SOFTSTUF NJ	80
5	COM80	ASCII		BITRONICS-FTP-3	POLL FTP EVENTS	SOFTSTUF NJ	80
6	COM81	ASCII		BITRONICS-FTP-4	POLL FTP EVENTS	SOFTSTUF NJ	80
7	COM82	ASCII		BITRONICS-FTP-5	POLL FTP EVENTS	SOFTSTUF NJ	80
8	COM73	ASCII		BITRONICS-IP-1	NONE	SOFTSTUF NJ	80
9	COM74	ASCII		BITRONICS-IP-2	NONE	SOFTSTUF NJ	80
10	COM75	ASCII		BITRONICS-IP-3	NONE	SOFTSTUF NJ	80
11	COM76	ASCII		BITRONICS-IP-4	NONE	SOFTSTUF NJ	10
12	COM77	ASCII		BITRONICS-IP-5	NONE	SOFTSTUF NJ	10
100	COM3	BINARY	01	BITRONICS DIAL UP - 01	POLL BI EVENTS	SOFTSTUF MAIN OFFICE	10
101	COM3	BINARY	02	BITRONICS DIAL UP - 02	POLL BI EVENTS	SOFTSTUF MAIN OFFICE	10
1999	COM3	ASCII	xxx	CLOSE MODEM SERVICES	NONE	OFFICE	50
2000	COM3	ASCII	1	MODEM SERVICES	SYSTEM TIMER (START)	OFFICE	1

TotRecs: 16 AtRec: 16 TotMarks: 1 Sort Field: Device Number

Connection Types

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

FTP Configuration

Connections

Connection Name: BITRONICS-FTP-2
 Host or IP Address: 216.164.167.20
 Port Number: 21
 FTP User Name: e
 FTP Password: ****
 Connection Type: ☒ FTP ☐ TCP/IP ☐ Telnet

Select Dialup Connection:
 Phone Number:
 Dial Up Username:
 Dial Up Password:
☐ Use Dial-Up

Local Dir: C:\Program Files\CodeGear\RAD Studio\5.0\bin\Wavewin-2014

File Name	Size	Date	Time	T...
.	0	7/10/2016	11:10:52 PM	-
Always Up	0	3/19/2016	9:33:00 PM	dr
DTBS	0	12/6/2014	1:34:02 AM	dr
EdPhase Contra...	0	11/16/2014	8:32:54 PM	dr
Eurekalog	0	11/25/2014	11:25:52 PM	dr
Fedex	0	6/21/2016	9:17:32 PM	dr
FMS	0	5/2/2016	9:05:14 PM	dr
ITC	0	6/5/2016	9:44:12 PM	dr
Maria	0	3/24/2016	10:34:36 PM	dr
pictures	0	7/26/2015	9:29:22 PM	dr
test wavewin	0	10/10/2014	9:56:58 PM	dr
Zapp	0	3/1/2015	9:50:40 PM	dr
_history	0	7/10/2016	11:10:30 PM	dr (-h)
16.LST	3970	3/3/2016	8:48:24 PM	file (-a)

TotFiles: 653

Remote Dir: /DATA

Filename	Size	Date & Time	T...
.	0	11/22/2012	...
TR1.RAW	70100	7/10/2016 11:...	file (rw)
SOELOG.TXT	24960	7/10/2016 11:...	file (rw)
VFT1.DAT	21	7/10/2016 11:...	file (rw)
VFT2.DAT	21	7/10/2016 11:...	file (rw)
TR1.INI	6792	7/10/2016 11:...	file (rw)
VFT1.INI	280	6/30/2016 4:5...	file (rw)
VFT2.INI	280	6/30/2016 4:5...	file (rw)

TotFiles: 9

Status Window

```

List Remote Directory Files For: /
Remote Dir: /, Directory Count = 1
Connection established
Starting FTP transfer
Transfer complete
List Remote Directory Files For: /DATA
Remote Dir: /DATA, Directory Count = 9
  
```

Protocol Types

- Proprietary Protocols for Relays and DFRs
- FTP (File Transfer Protocol)
- 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 at 800.818.3463 or at support@softstuf.com.
- **Custom Services** - For custom development services please contact our support team at support@softstuf.com.
- **Training** - We offer a variety of training classes, for information on these classes please use this link www.softstuf.com/wavewinclasses.html. For other training inquiries please contact our support team at support@softstuf.com.
- **Warranties** - Softstuf warrants 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 Softstuf shall at its own sole expense make the changes necessary to correct said deficiency within a reasonable time of being notified.
- **New Devices** - 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 Softstuf will develop said drivers at rates and lead times that are mutually agreed upon.

Licensing and Upgrades

- The Device Manager is a standalone executable. Each copy requires activation and is downloaded from the website. Several trial runs are allowed before activation is required.

- The Viewer 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.

Ordering Information

<i>Item</i>	<i>Part Number</i>	<i>Description</i>
1	WWDM-WEB	<i>Downloadable zip file containing the software, all software documentation and an install program. Open the install program and follow the instructions to begin using the software.</i>

Contact Us

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