

Figure 1. iPulse-e Package Contents.

Note: If any parts are missing, please contact VideogeniX for replacement.

All software and documentation may be downloaded from [www.videogenix.com/ipulse-downloads](http://www.videogenix.com/ipulse-downloads). After installing/running “setup.msi” all documentation and software will reside in Microsoft Windows directory: c:/ProgramFiles/VideogeniX/iPulse. Any questions call VideogeniX at 617 731-5550.



## iPulse-e® Installation and User Guide

### 2. Installation Steps

#### a. iPulse-e Hardware setup

1. Check the package contents against the chart above
2. Download software and manuals from VideogeniX Web Site, setup1.msi, (<http://www.videogenix.com/ipulse-downloads>)
3. Plug power 9-24VDC power supply into iPulse-e
4. Connect iPulse-e to network using provided CAT5 Ethernet cable to an available port on router/switch/Hub (figure 2).
5. Connect iPulse-STD or iPulse-PoE sensing cable to iPulse-e Green terminals labeled Tx and Gnd on Serial Port 2 of iPulse-e (iPulse brown wire to Gnd terminal, Black wire to Tx)

Figure 2 illustrates the iPulse-e connections to the iPulse sensor cable. Connection of the iPulse-STD or iPulse-PoE to the client device can be found in their respective Hardware setup guides.



Figure 2.

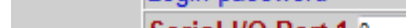


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### b. iPulse-e Software Setup

1. Run **CVbrowser.exe** to find iPulse-e address on your network, factory default is 192.168.0.100 (CVBrowser is documented in **iPulse-e Users Manual**). CVBrowser will be in the “c:\\Program Files\\Videogenix\\iPulse”
2. Using IE or other web Browser enter Ethernet address of discovered iPulse-e (per step 1 above)
3. If device has a password assigned (default is none), enter the password and click **Login** to go to **Parameter Settings** (advanced parameter settings are documented in iPulse-e Users Manual):
4. Set up iPulse-e Network Parameters as follows:
  - a. Set up **IP address** for iPulse-e with a valid TCP/IP address for your LAN
  - b. Set up **Subnet mask** as per your existing LAN
  - c. Set **DHCP client** to “Disable” (DHCP must be set to disable so the iPulse configuration software must have the IP address of the e-server hard coded)
  - d. Program a iPulse-e password (optionally)

Parameter setting	
IP address	192.168.0.100
Subnet mask	255.255.255.0
Gateway IP	0.0.0.0
DHCP Client	Disable
Auto Reset (No data input)	0 (Hours)
Device Name	Serial_TCPIP
Login password	

- e. 
5. Program iPulse-e “**Serial I/O Port 2**” as follows:
    - a. Set up **Local port** number for iPulse-e RS-232 Port 2
    - b. Select **TCP Server** in the **Socket mode** field
    - c. Select **RS232** for the **Interface** field
    - d. Leave all other iPulse-e settings as programmed

Serial I/O Port 2	
Local port, Socket mode	101 TCP Server
Remote IP, Port (TCP Client/UDP)	0.0.0.0 0
Interface	RS232
Baudrate	9600
Parity, Data bit, Stop bit	None 8 1
Force off-line time (No data input)	10 (Minute)
Packet collect time	Tx 0 Rx 0 (mSec)



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### c. iPulse Reboot Virtual I/O setup

1. Launch the iPulse Configurator Software
2. Enter IP address of iPulse-e as programmed in step 4a. above
3. Specify the network port for iPulse-e RS-232 port 2 as programmed in step 5a. above
4. Select SerialEthernet Server for the device type

## 3. iPulse-e LED Operation

### a. LED Operation

The iPulse® IP1-STD has three LEDs that define its state of operation. The picture and descriptions below detail LED operation.

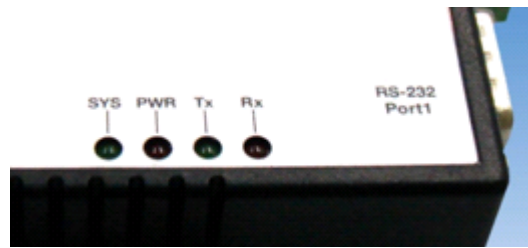


Figure 4: iPulse-e LED Operation

#### **PWR (Red):**

Power Indicator: LED is on when power is detected

#### **Tx (Green):**

Data Tx indicator (When Tx data is sent, this LED will blink)

#### **Rx (Red):**

Data Rx indicator (When Rx data is received this LED will blink)

#### **SYS (Green):**

Device status indicator (Under normal operating conditions this LED will blink once per second)

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