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**PM1000+ Language Loader PC Software
User Guide**

1. Introduction:

The PM1000+ Language Loader PC Software enables the user to upload available languages to the PM1000+. This allows the user to access embedded help and utilize the menu structure in their native language where available.

2. Required Materials:

2.1. Hardware Required:

- PM1000+ Single Phase Power Analyzer with hardware revision 52 or greater (VPN 100-085).
- RS232 Cable, 9-pin, D-type, Female to Female, Modem (straight through) cable (VPN 77-015).
- PC.

2.2. Firmware Required:

- PM1000+ firmware, Unicode version (VPN 11-155) release 4.23 or higher. This should be pre-loaded into the PM1000+ as per the instructions in 'The PM1000+ Firmware Upgrade' document (VPN 87-358-0-02F).

2.3. Software Required:

- PM1000+ Language Loader PC Software (VPN 28-322).
- Selected language pack, see the Voltech website at www.voltech.com for available languages.

3. Installing the Software:

3.1. Unzip the Software

Unzip the software in a suitable location.

3.2. Install the Software

Double-click the setup.exe file to start the installation process. Follow the prompts to install the software. The installation will place an icon on the PC desktop.

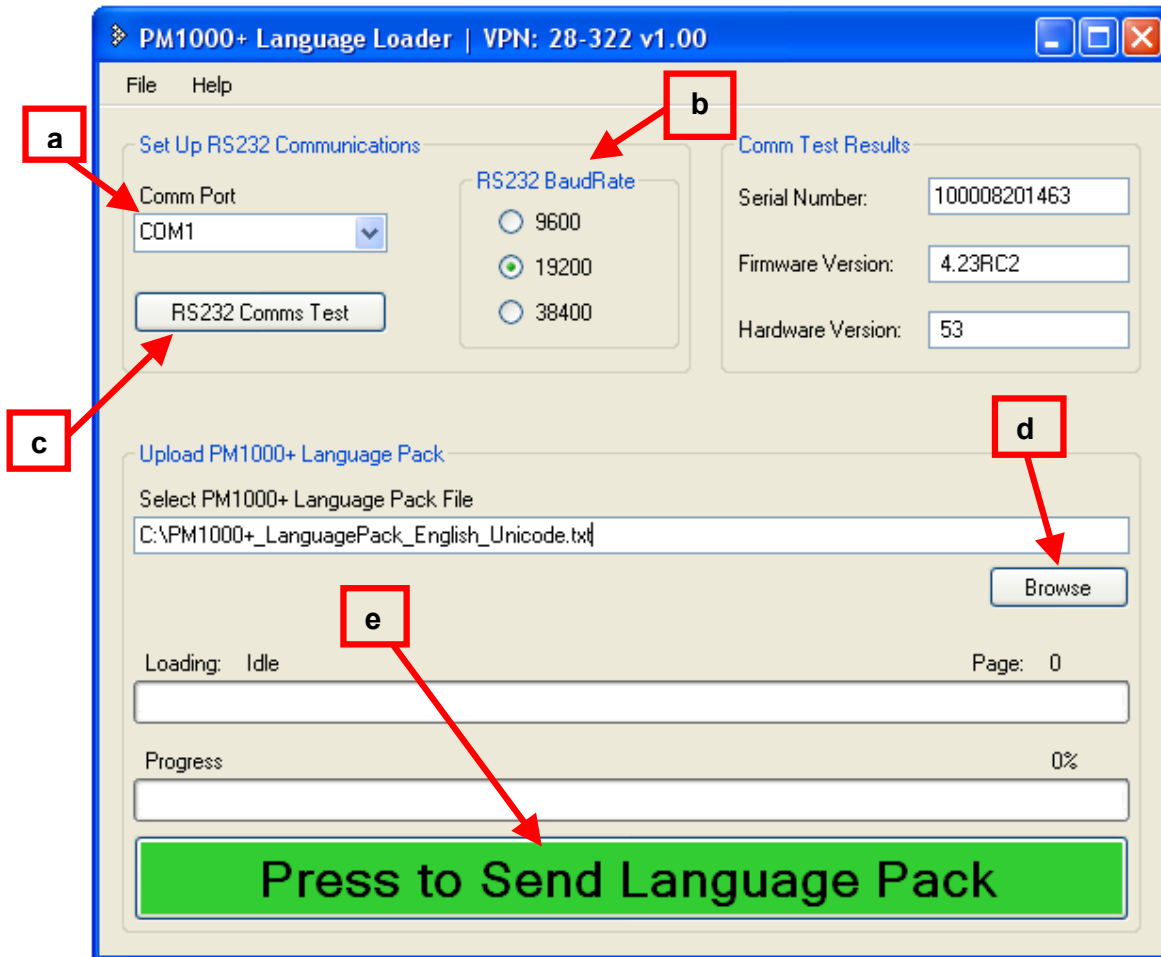## 4. Loading a Language into the PM1000+

4.1. Connect Communications

Connect the RS232 cable as described in the PM1000+ User Manual (VPN 98-115).

4.2. Opening Software

To open the software, locate the icon on the PC desktop and double-click it.

4.3. Configure and Run Software

After opening the software, the user will first configure the communications interface and then run the software, Figure 4-1.
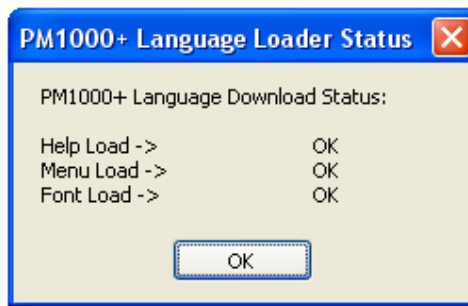

Figure 4-1: PM1000+ Language Loader Software

a) Select the appropriate comm port using the pull-down selection box.

b) Select the desired baud rate; the PM1000+ default baud rate is 19200.

c) Test the communications by clicking on the "RS232 Comms Test" button. This will fill in the serial number, firmware version, and hardware version of the PM1000+ to be programmed.

> **NOTE:** The Unicode version of firmware (VPN 11-155) version 4.23 or greater and hardware version 52 or greater is needed to load a language to the PM1000+.

d) Select the PM1000+ Language Pack using the Browse button.

e) To initiate the upload process, click on the "Press to Send Language Pack" button.

When the download is finished the user will see a status message regarding each component of the download process, Figure 4-2.

Figure 4-2: PM1000+ Language Loader Status Window

4.4. Cycle PM1000+ Power

When the download process has finished, it is necessary to cycle the power of the PM1000+ to ensure proper operation.

4.5. Operation

The PM1000+ is now operating with the newly installed language and enhanced help.

5. References

- PM1000+ User Manual (VPN 98-115).
- For more information visit the Voltech Instruments web site at http://www.voltech.com/.