

USB Powered Linear Slide

System Features

- Small Low cost stepper motor controlled linear slide (**\$ 445 each, single piece**)
- Draws power from a standard USB port , no external power supply required
- Self-contained (onboard) control electronics and driver
- Small system size of 4.5 X 12 cm (1.75" X 4.75")
- Force of about 1.0 Kg Loads (~2.2 pounds)
- Linear range motion of about 12mm (~0.5")
- Position resolution of 6.4 microns (0.00025")
- Power efficient, holds position with no power
- Built-in magnetic (Hall effect) home sensor
- PC Windows interface for easy motion control



The USB-Slide is a relatively low cost system for precision linear motion. Powered and controlled solely by a standard USB port, this system provides the method of linear motion control unmatched in size, simplicity, and ease of use.

The USB-Slide application software runs on any standard PC with Windows-XP with a standard USB port. This user interface provides for velocity (step speed), and position (step) control. All position movements are relative to the home (fully retracted) position. A built-in magnetic (Hall) sensor is used to establish this home position. The software provides a homing function to properly use this sensor.

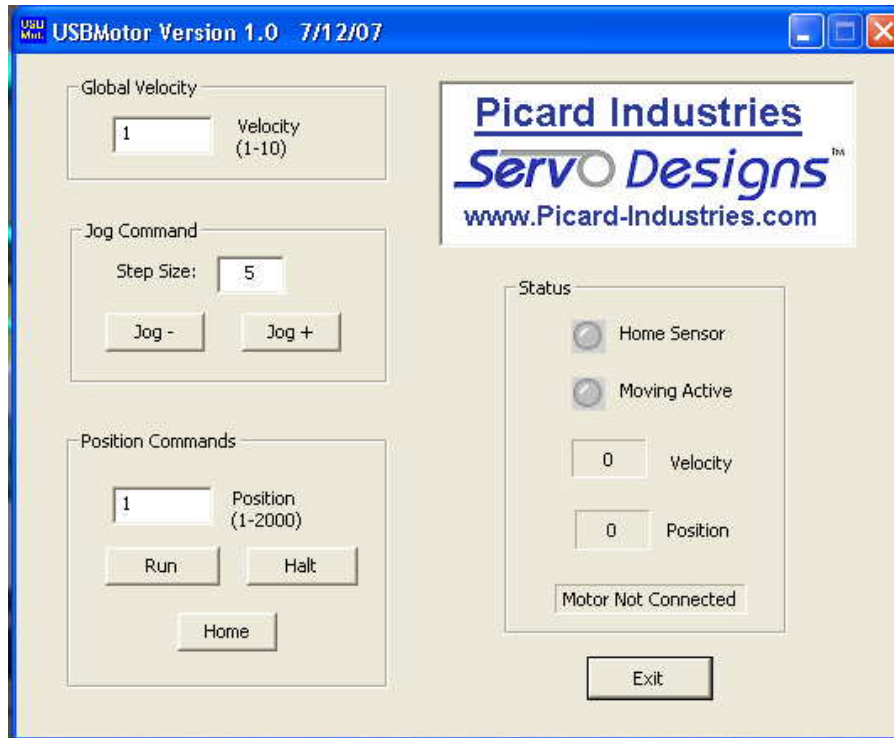
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USB Motor/Slide User Interface

Below is a screen shot of the control software that is provided with the USB-Motor/Slide system. This software comes on a CD and will automatically begin the setup process upon insertion into any standard PC with a Windows-XP/VISTA operating system. After the software has been successfully loaded, simply attach the USB-Slide to a USB port with the provided cable. The software will auto-detect the connection and allow you to begin controlling the position of the motor/slide.



USB Slide Mechanicals

