

FSD X10 / UPB / FGI Bridge Controller

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The FSD X10/UPB/FGI Bridge Controller provides a flexible and highly capable means to support a multi-protocol HA installation. It supports X10 (with extended command capability, including variations from different manufacturers), UPB, and hard-wired devices via the FGI interface. The bridge controller can be used stand-alone to integrate devices in a mixed X10 and UPB installation, or with a legacy X10 controller.

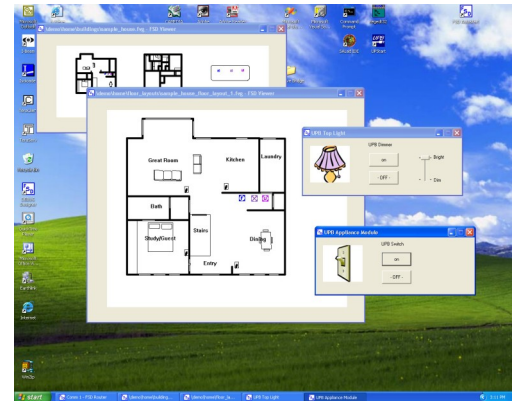
Input and output commands to/from the X10, UPB, and FGI devices can be mapped across to the other protocols; for example, an X10 switch or a low-voltage hardwired switch could be mapped to send a UPB link command to

control UPB devices, and a UPB command could be used to control an X10 device, X10 scene, or hardwired relay device. If used with a legacy X10 controller, input and output commands to/from the UPB and FGI devices can be mapped to X10 commands to the legacy X10 controller, via the legacy controller TW523 or PL513 X10 interface.

The Bridge Controller also includes a flexible macro programming capability, and interval timer support.

Provided software is used on a Windows XP or Windows 2000 computer to configure the bridge controller operation. The computer does not need to remain connected during operation.

If the computer does remain connected to the bridge, the software can be used for run-time monitoring and/or control of system devices, using a graphical floor-plan oriented user interface. The provided FSD Automator software suite includes a built-in graphical editor for creating layout graphics. Data logging software is provided to log device state data to disk; for example, the bridge controller could be used to implement a temperature and humidity data logging system. Run-time X10 and UPB commands can also be logged, as can timer and macro states.



Specifications

Inputs:

- USB host computer port
- RJ-11 input from legacy HA controller
 - Emulates TW523 or PL513 X10 Interface
- 14 VAC, 200ma

Outputs:

- RJ-45 connection to FGI hard-wired devices
- RJ-11 connection to TW523,
 - PSC05, or PL513 X10 Interface
- RS-232 connection to Serial
 - UPB Powerline Interface Module

Dimensions:

Bridge: 6-1/2" x 4" x 1-3/8"

Remote monitoring, control, and configuration over a LAN, wireless LAN, or the Internet is supported in native mode.

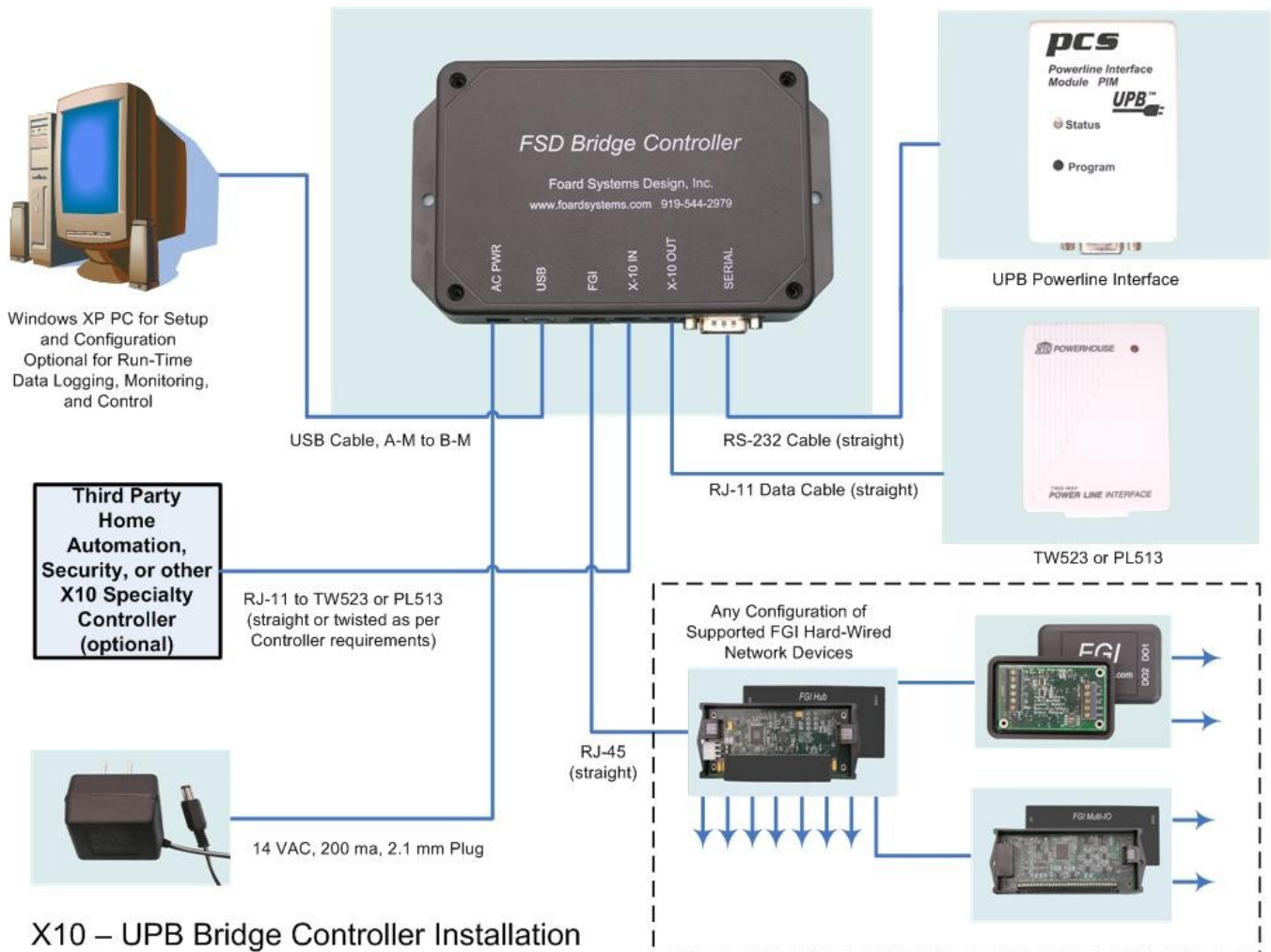
Third party application interfacing is supported with an easy-to-use interface application, and also with a documented packet based monitoring and control interface via a serial port USB driver, and via TCP/IP using an included PC hosted TCP/IP to serial packet router. The packet based interface is consistent across HA protocols, so the same interface approach can be used to control X10, UPB, and hardwired devices.

The FSD X10/UPB/FGI Bridge Controller can support up to 336 1-way associated device mappings (168 2-way device mappings).

The total number of device associations depends on the type of device configured.

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Wiring Example:



[View example bridge configuration set-up online.](#)

[View full documentation online.](#)

Included With Bridge:

FSD X10 / UPB / FGI Bridge
 FSD Automator Software Suite
 Power Transformer, 14VAC
 USB Cable
 X10 Interface Cable

Use This Bridge With:

X10 Interface – TW523, PSC05, or equivalent
 Serial UPB Powerline Interface Module
 X10 Devices
 UPB Devices
 FSD Bridge Compatible FGI Hard-Wired Devices