

PXE-EMIT-REL2 PixiePlus Relay Controller

The PXE-EMIT-REL2 relay dongle is for use with the PixiePlus™ Device Control Module (PXE-DCM+). The PXE-EMIT-REL2 contains two low-voltage control relays which may be configured to open and close momentarily or continually. Relay events are activated by button presses on the PixiePlus control interface. The *Bus Status* LED on the PXE-EMIT-REL2 glows green when relay 1 is closed, red when relay 2 is closed, and amber when both relays are closed.



Requirements

The PXE-EMIT-REL2 is for use with the PixiePlus Device Control Module (PXE-DCM+) with firmware v53 or later. The PXE-EMIT-REL2 is not compatible with the basic Pixie™ (PXE-DCM). Configuration of the PixiePlus for use with the PXE-EMIT-REL2 requires the SP Controls Programming Wand (PXE-PGM-TOOL, sold separately), with Configuration Utility v2.02 or later.

Configuration Overview

PixiePlus relay actions are specified by commands that are entered into the *Code Data* field of the Configuration Utility. To program a button to initiate a relay action, click the green plus box to add a code. The BAUD and Com Port settings may be set to any value; they will not affect relay actions.

Example 1:

```
&BUS(U,*,RELAYS,CLOSE-1-ONLY)
```

In this example code, pressing the button causes Relay 1 to close on a PXE-EMIT-REL2. The variables *U* and *Relays* will never change, and the *** is rarely modified. In practice, most relay commands will be one of the following:

```
&BUS(U,*,RELAYS,CLOSE-1-ONLY)           &BUS(U,*,RELAYS,CLOSE-BOTH)
&BUS(U,*,RELAYS,CLOSE-2-ONLY)         &BUS(U,*,RELAYS,CLOSE-NONE)
```

For *momentary closure*, you must add a command for the relay to close, then specify a delay of the desired closure period, then a command for the relay to open.

Example 2: `&BUS(U,*,RELAYS,CLOSE-1-ONLY),d500m,&BUS(U,*,RELAYS,CLOSE-NONE)`

In this example Relay 1 will close for 500 milliseconds, then open.

Example 3: `&BUS(U,*,RELAYS,CLOSE-BOTH),d2s,&BUS(U,*,RELAYS,CLOSE-NONE)`

In this example both relays close for 2 seconds, then open.

For complete instructions on configuring the PixiePlus for relay actions see the Help File in the PixiePlus Configuration Utility v2.02 or later, available on the Programming Wand.

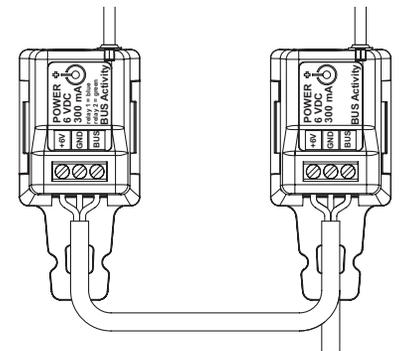
Connection

The PXE-EMIT-REL2 may be wired to the PixiePlus control module along with the IR/RS-232 control output in either a “home run” or daisy-chain configuration (see wiring diagram).

Relay 1: Blue
Relay 2: Green

Specifications

Relay rating: 400mA at 48V.
Power: 6VDC, 300mA



Caution: The PXE-EMIT-REL2 is for low voltage control only and **under no circumstances should it be connected to high voltage.**